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WATER LILIES

Ornamental fishes

SUPERB DUET—These two Hardy Lilies bear most abundantly blooms of immense size and gorgeous color contrast. For strong, vigorous growth and ease of culture they are in truth a "superb duet." In collection, \$4.80.

CONQUEROR

SUNRISE

GREATLY REDUCED PRICES follow big production increase, and new choice stock for your pool will cost less than ever before

1934

HOOSIER AQUATIC GARDENS

TO WATER GARDENERS
EVERYWHERE:

We are very pleased to supply this catalog of Water Plants and helpful information on water gardening to anyone interested in this most gratifying adventure in home beautification.

Our customers benefit by our huge production facilities, and by expert and faithful selection of every bulb and plant shipped by us. Experienced horticulturists sort all our production and eliminate everything lacking in normal development or virility. Though this attention eliminates the kind of stock selling at very cheap prices, it assures to every customer of Hoosier Aquatic Gardens uniformly high value in every purchase.

We supply Goldfish from Grassyfork Fisheries in every variety and size, and our experienced customers repeatedly assure us that our usual commercial shipments are fully as good as the very best of selected fish. We also supply nearly all suitable varieties of ornamental Tropical fishes.

It will always be a pleasure to assist our customers in any way to obtain the finest development and beautification of their water gardens. We solicit equally your inquiries and your patronage, assuring you of the best of attention to both. Wishing you every success and pleasure with your water gardening in 1934, we are

Yours very truly,

HOOSIER AQUATIC GARDENS.



Garden Clubs and Organizations interested in Water Gardening can arrange through us for an interesting informative lecture illustrated by motion pictures in color. This lecture by advance arrangement only. Inquiries are welcome.

..... Conditions of Sales

Enclosed with this catalog are convenient order blanks which will assist you in obtaining prompt and correct shipments of any Water Plants, Ornamental Fish or other supplies you may desire. We wish to render a service to you of the same high quality as the plants or other supplies you will receive from us. Your assistance is needed to the extent of reading the necessary terms and conditions following, and supplying with your order all the information required to enable us to fill your order properly.

TERMS: Please send funds sufficient to cover price of goods ordered, 50 cents for shipping can when fish are included with the order and postage charges to the amount of 10 per cent. of your order when shipment is requested by parcel post. Orders for Tropical Fish shipped between September 1 and May 31 must include deposit of \$2.00, which will be refunded by us upon prepaid return by express (charges 20c) of special cans. Rest of year, 50c added to your order for non-returnable can. Payment may be made by check, draft, Post Office money order, Express money order. When cash is sent the letter should be registered. We do not ship C. O. D. Order early. Orders are shipped at the proper planting time for your locality in the order received.

Early ordering will insure prompt delivery as soon as your planting season begins.

CANADIAN SHIPMENTS: Canadian customers must obtain a permit to import plants from the Destructive Insect and Pest Act Advising Board, Dept. of Agriculture, Ottawa. Enclose permit number only.

FORWARDING: We prefer to ship Express Collect. All fish ordered must go by express. Other items are shipped by Parcel Post only when specifically requested and funds to cover postage (see Terms) are included with remittance.

CLAIMS: Inspect your order before express agent leaves. If shipment is not in good condition, have him make out a bad order Report No. 679 and return it to us at once. All claims or complaints must be made within 10 days of accepting goods. We reserve the right to replace any merchandise considered unsatisfactory. We do not assume responsibility for goods after receipt in good condition. Due to conditions over which we have no control, unfavorable weather or soil, improper planting, etc., we cannot guarantee success after planting.

ERRORS: Experienced packers handle all your orders. In the press of business, however, errors may occur. In such case we wish to be promptly informed of the fact, that we may make such corrections as will be satisfactory. Please keep copies of all your orders for comparison.

NAME and ADDRESS: Please write on each order your Name, Post Office, County, and State, Street, P. O. Box or R. F. D. Route; your nearest Express Office.

All prices quoted F. O. B. Martinsville, Ind.

All prices subject to change without notice.

It is understood and agreed on all orders accepted by us that if after order is placed any Federal, State or Sales Tax is levied thereon the amount of such tax shall be added to and become a part of the purchase price.

It is further understood and agreed that in the event our costs for labor are increased by reason of any restriction or regulation under the National Industrial Recovery Act the purchase price shall be adjusted to cover our increased cost net.

AN OFFER FOR PHOTOGRAPHS

SEND us a photograph of your Water Garden (Pool, Tub-Garden, or Pond). We are interested in the success you have made of water gardening. Others doubtless are, too. To all sending us photographs found suitable for display either in our catalogs or other advertising matter, we shall be pleased to present one of the best Blue or Pink Tropical Water Lilies.

Build the Beauties of Lakes and Tropics right into your own Garden

HOME BEAUTIFICATION gains more from Water Gardening, whether it be on an elaborate or a very simple scale, than from any other venture costing so little in money and effort. Whether you build a tiny Tub-Garden or a pretentious formal Pool, you can bring into your garden some of the gorgeous flowers and interesting aquatic life of lake and tropical waters. Delightful evening hours, fragrant with the romantic scent of tropical water flowers; a cool, restful spot for summer afternoons; a bewitching garden scene for all hours of the day; reward the water gardener.

The water gardener who properly plans his installation, and provides the simple cultural attention required, never has disappointing failures. The merest novice may have his garden, small or large, displaying gorgeous blooms with a fraction of the effort and expense required for other forms of gardening. Water Lilies, once planted, just grow. They bloom richly and abundantly and constantly, opening their flowers almost as soon as spring has reached high-tide, and continuing day and night until frost.

You will be delighted with the amazing results that can be accomplished in so short a period, and with so little effort. Turn to pages 4 and 5 of this catalog for complete instructions concerning the making of the very inexpensive Tub-Garden in which such magic can be worked—or to pages 6 and 7 for comprehensive instructions for planning and building larger gardens. If you wish to plan still more elaborately, you will find on page 15 a list of books which will give extensive information for such enterprises.

The first step for the Water Gardener is to select the location for his Pool, which should be where the most hours of sunlight will be had.



From a sloping background profusely planted, a fairy-like water-fall feeds this enchanting Pool where huge Lilies float, showing what the ingenious water gardener can accomplish.

Gorgeous blooms grow abundantly in water gardens, small or large

When the size of your Pool is determined, that fixes the limit of planting it will support, the number of fish that are required to balance the Pool and ornament it, and the number and kinds of water scavengers desirable to keep the water clean.

The beginner may well be somewhat bewildered at first when he glimpses the tremendous variety of plants and fishes from which he can make his selections. In this catalog we offer you practically the whole range of desirable Water Lilies and decorative Water Plants to be found from the arctic circle to the

tropics, and capable of propagation within the United States and similar climates.

For this reason we suggest throughout the catalog certain Collections of Lilies which grow and bloom harmoniously. Some Collections include other decorative Water Plants, some include border plants, and some Fish. Some Collections are special complete selections for a Pool. Some are for large Pools, some for the smallest.

All these Collections are assortments of plants that produce pleasing results. We are certain you will be well pleased with any one that strikes your fancy. Some pages of this catalog are devoted to brief descriptions of the plants or other items listed in the various Collections we offer, and you will be able easily to find full descriptions of each item in any Col-

lection. It is much better to add fresh stock each year than to continue plants from your own pool, which must necessarily deteriorate in vigor due to the cramped quarters they have.

No form of gardening lends itself so fully to self-expression in design and management as Water Gardening, and we will take pleasure in serving our customers carefully and helpfully in supplying any requirements or information that will assist them to greater satisfaction and success with their projects. We believe you can scarcely find anywhere such complete facilities and such abundant stocks as we can provide for you.



HOOSIER AQUATIC GARDENS
Martinsville, Indiana

AURAL COLLECTION—Aurora flowers are amber-yellow the first day, red-orange the second, and a deep red the third, as this natural color photograph shows. Chrysantha, too, changes remarkably day after day, from a creamy yellow to a deep orange vermillion. Two varieties of semi-dwarf growing habit exceptionally suited to the small Pool or Tub-Garden. In Collection \$2.40

AURORA (first day)

CHRYSANTHA
AURORA (third day)



Water Gardening in Tiny Pools Enjoyment for Little

You can enjoy gorgeous Water Lilies in your garden with simple construction and planting plan.

IT IS EASY, economical and highly satisfactory to build a beautiful little

Water Garden in and around a wooden tub. Though any good tub will serve we can supply a rot-resisting White

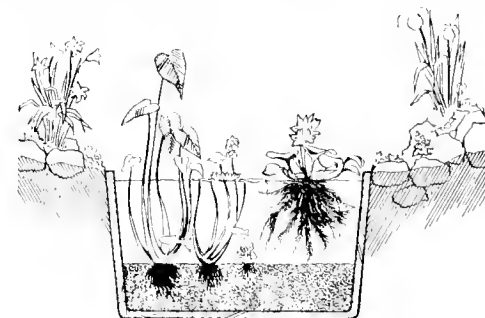
Cedar tub with our Tub-Garden Collection of plants. Any nook or corner of the grounds — or even an apartment house roof — is suitable for a Tub-Garden provided only that it gets a little sunshine. Then there are the fish! A Tub-Garden can be made a most interesting little fish pond, not only for the commoner kinds but also for the most fancy varieties of Goldfish and all types of Toy Tropical Fishes. Even young fishes may be raised very successfully in a Tub-Garden.

Be sure to add a few Goldfish or Toy Tropicals to your Tub Garden, not only for their attractiveness, but also for their practical value in destroying insect life in the Pool.

IT IS EASY TO MAKE A FINE TUB-GARDEN

The arrangement of the Tub-Garden is largely a matter of one's own taste. The tub may even be left exposed on the lawn or in the garden, but we recommend that an excavation be made large enough to contain the tub and sink it about six inches below ground level (see sketch above). Stones placed about the edges provide for planting hardy border perennials. When the tub is set fill about half full of good garden soil firmed well down, cover over with a one-inch layer of clean sand, and fill with water.

The Tub-Garden is ready now for planting. Press the Water Lily root well into the soil. Should there be a tendency for the root to float, weight with a flat stone until it has



A sunken tub will support a Water Lily and two or three other plants, and with a rock garden at its borders becomes a real beauty spot.

rooted in the new soil. However, if the soil is well firmed in the bottom of the tub before water is run in, roots will rarely float upon planting. Submerged Plants should be planted directly in the bottom of the tub; Floating Plants dropped on the surface of the water, and Shallow Water and Bog Plants planted directly in the bottom, or in pots which may be placed on top of the soil in the tub. After all planting is done, introduce the fish, snails, tadpoles, etc.

A Tub-Garden may always be increased in size and attractiveness by adding one, two or even more tubs pleasingly arranged to form quite an extensive yet comparatively inexpensive Water Garden.

Built in a Tub Will Yield Much Work and Expense

COMPLETE TUB-GARDEN COLLECTION \$4.50

- 1 *Water Lily*—Choice of Light Pink, Dark Pink, Red, Yellow, Blue or White, or Red and Yellow Changeable.
- 1 *White Cedar Tub*—2 ft. in diameter, 1 ft. deep, White Cedar staves, electrically welded hoops.
- 6 *Water Plants*—An assortment of Floating, Submerged and Shallow Water or Bog Plants for planting in the Tub.
- 6 *Perennial Plants*—Your choice of taller growing Perennials or Dwarf Rock Garden varieties.
- 1 *Pair Japanese Livebearing Snails*—To keep the water clear.
- 1 *Pair Goldfish*—Four to five inches; useful and ornamental.
- 1 *Fish Bucket*.

GOLDFISH, TROPICAL FISH AND SNAILS IN THE TUB-GARDEN

The Tub-Garden or Pool is an ideal summer home for the Fish and Snails in your aquarium. Being under more natural conditions, both Fish and Snails will greatly increase their numbers throughout the summer. Then, in the fall, the best specimens can be taken indoors to the aquarium and the poorer ones either left in the Tub or Pool or put in a tank in the basement.

Goldfish, Snails, and Toy Tropical Fish not only add that touch of motion to the Water Garden, but also serve a very useful purpose. The Goldfish and Toy Tropicals destroy any insect life in the Pool and the Snails aid in keeping the water pure and crystal clear. The Tub-Garden should not be without at least a few of each.

FISH FANCIERS

You will surely need a few extra tubs for those young fish you will raise this season. Why not get them now? Each.....

\$2

EXTRA TUBS

We can supply tubs similar to those offered in our complete Tub-Garden Collection—White Cedar, galvanized hoops electrically welded, 2 feet diameter, 1 foot deep. Ideal for a small Water Garden or Fish Pond; or as containers for Lilies, Lotus or Victorias in the large pool. Each.....

\$2

MINIATURE COLLECTIONS OF FISH AND SCAVENGERS

2 pair Goldfish (2½-inch); 1 pair Comets (2½-inch); 1 pair Japanese Snails; 6 Black Ramshorn Snails; 6 Tadpoles; 1 pair Green Frogs; 1 Fish Bucket. In Collection.....

\$1.75

1 pair Rainbow Fish (Guppy); 1 pair Mollisia; 1 pair Mosquito Fish (Heterandria Formosa); 1 pair Japanese Snails; 6 Black Ramshorn Snails; 1 Fish Bucket. In Collection.....

\$1.75

MINIATURE GARDEN COLLECTION

- 1 *Water Lily*—Your choice of Red, Dark Pink, Light Pink, White, Blue, Yellow, Red and Yellow changeable.
- 6 *Water Plants*—To include Floating, Submerged and Shallow Water or Bog Plants.
- 6 *Perennial Plants*—Dwarf Rock Garden varieties or taller Perennials; your choice.
- 1 *Pair Japanese Livebearing Snails*—To keep the water clear.
- 1 *Pair Goldfish*—Four to five inches; useful and ornamental.
- 1 *Fish Bucket*.

ALL ONLY \$3

IDEAL TRIO—Graziella and Lucida are two of the newer and rarer hybrids we offer at collection prices because of our extensive growing facilities and large stocks. Rose Arey is included in the assortment due to its very excellent all-round qualities which make it one of the most popular of the Hardy Lilies. Ideal Trio Collection.....

\$4.40

GRAZIELLA

ROSE AREY

LUCIDA



Instructions for Building Pools of All Sizes ... How

Pools for water gardening may take many forms and sizes, but all of them should, first of all, be located where they receive plenty of sunshine. Usually lawn and garden conditions will require the construction of a concrete basin for the Pool, which will, according to your own preference, take on an informal arrangement resembling the natural pond as to shape, or a formal arrangement in round, rectangular or square shape with straight walls. Construction of Pools may, when soil conditions permit, be as simple as merely scooping out a pond-like area in the ground. The soil must be of such a character as to hold water well. Some soils not quite sufficient for this may be made so by lining the scraped-out pool with a layer of well-tamped clay.

All larger Pools should be 24 to 30 inches in depth to allow 8 to 12 inches of good soil in the bottom and a sufficient depth of water for growing purposes and adequate winter protection. If preferred, large pots, boxes or tubs may be used as containers for soil instead of covering the entire bottom of the Pool, which helps keep the pool water clear, and has the further advantage of containing individual plants and preventing overcrowding. Also soil in containers is easily fertilized, which is important for vigorous growth. The Pool may well be designed to duplicate on a small scale the conditions of lake and pond shores, giving water depths from 2 to 10 inches where plantings of shallow water growths are desired.

THE INFORMAL POOLS

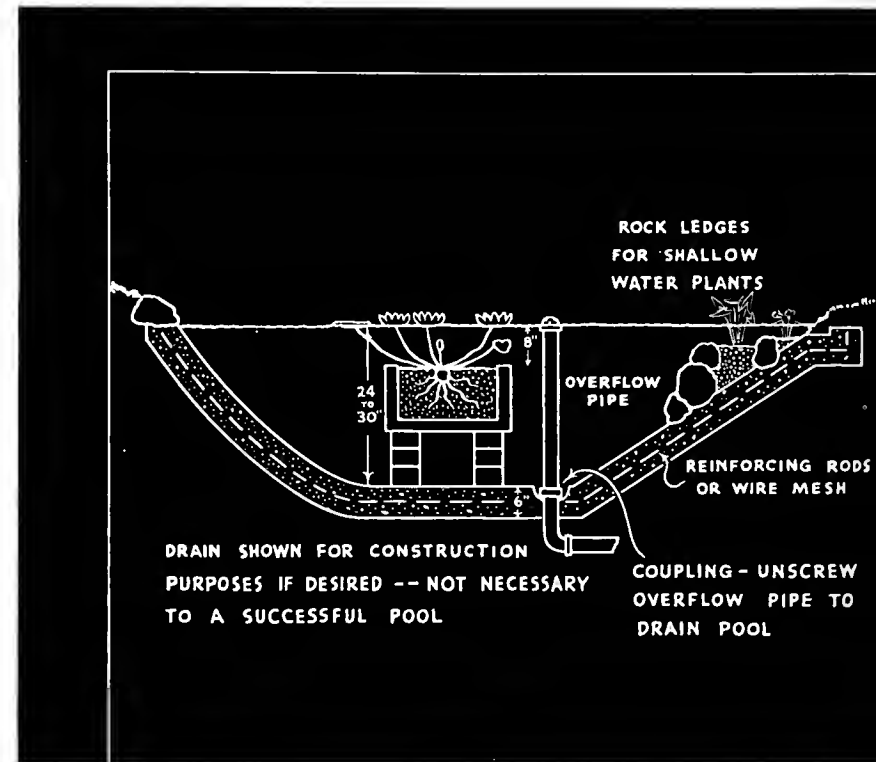
The most popular and inexpensive Pool, and the one affording opportunities for the builder to exercise his own tastes in design, is the informal, or irregularly shaped Pool. **FIRST**, stake out and mark with twine the **OUTSIDE** limits of your Pool. Excavate the center 30 inches deep, then slope the sides at about 45 degrees toward the center excavation, following the twine marking, letting the bottom be perfectly flat and as large as the size of the Pool naturally makes it with these sloping walls. Tamp sides and bottom well. Mix a stiff concrete with 1 part good cement, 2 parts clean sharp sand and 3 parts $\frac{1}{2}$ " to $\frac{3}{4}$ " gravel or cracked stone. Mix thoroughly while dry and add water just sufficient to make a thick mixture that will lie on the sloping walls. Plaster the walls of the excavation from the bottom to the top with 2 to 3 inches of this concrete. Immediately place wire mesh over the concrete, taking care to overlap the mesh on bottom and sides by 4 to 6 inches. Be sure the mesh is large enough to permit all gravel or stone pieces to pass through freely. Cover the mesh with another 2 to 3 inches of

concrete, tamping smooth and then smoothing surface with trowel or block of wood. Cover with building paper or damp hay or straw for 12 hours. Apply a thick paste of cement and water, painting it on with broom or whitewash brush. Recover the work and let it stand for 48 hours. Remove covering, fill with water and soak for 2 or 3 days. Empty, stirring water constantly to wash out all sediment. The Pool is then ready for use.

It is not necessary to provide drainage for Pools, and a large Pool without drainage may, instead of being filled and drained, be washed out thoroughly with a strong fine stream from a hose while brushing sides thoroughly with a stiff broom. Bail out the water and carefully sweep up and remove all sediment remaining.

THE FORMAL POOLS Rectangular, square or round Pools with vertical sides are used for formal arrangements of the Water Garden. These may be built in any soil by excavating the desired space and building forms for the side walls. These forms may be of wood, steel or of galvanized iron sheeting, reinforced with wood. Wood forms should be wetted before pouring concrete; metal forms wiped with oil or grease.

The **INFORMAL POOL** is shown in cross section drawing below, which illustrates sound construction methods. Inlet and overflow connections are not necessary unless you want a fountain or running water, but are always convenient.



Ledges and other elaborations of construction, if desired, must, of course, be provided for in building the forms. It is good construction practice to make the inside form six inches short of the bottom of the outside form so that, when pouring the concrete for the walls, it will flow out inside and form a lip into which the bottom concrete can bind and seal the joint all around. Of course the bottom must be poured before the outflowing concrete from the wall forms has set. Smooth finished walls as described above and paint with cement paste. Reinforcing of the concrete in walls and bottom with wire mesh as described above, or with light reinforcing steel, is desirable to avoid possibility of cracking from frost.

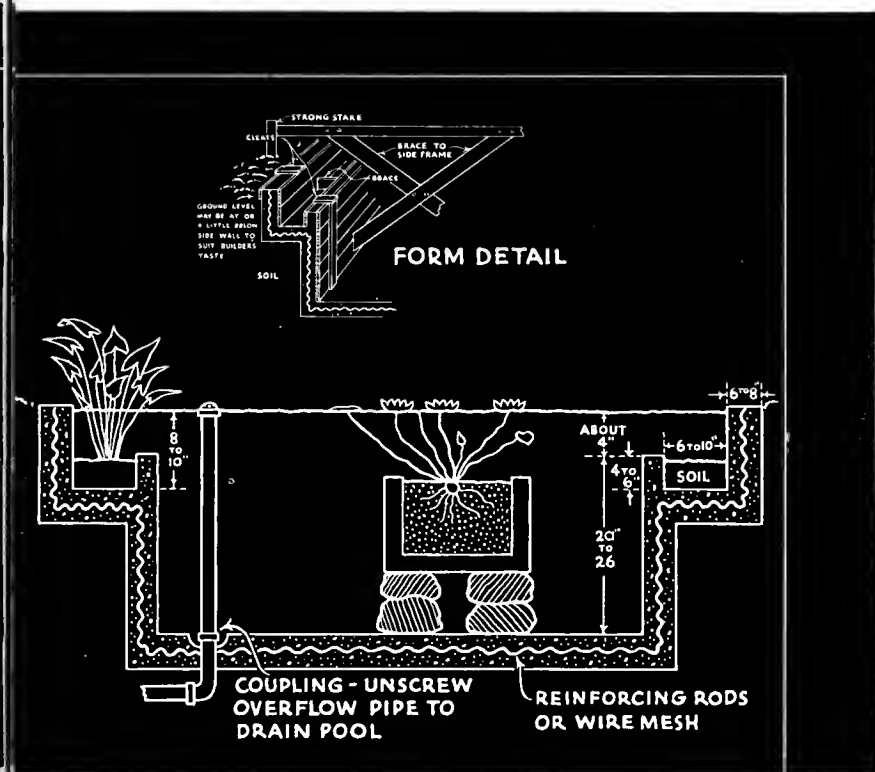
The labor and expense of building forms may be dispensed with in firm soil by excavating at

first only the width of the walls and using the trench thus cut for forms. Firm soil carefully cut and smoothed will give a smooth inner wall. After the walls have set in this procedure excavate the interior and construct the bottom, taking care to seal the joint between bottom and side walls carefully to prevent leakage. A paste of pure cement and water should be painted over the joint between bottom and sides when the finish surface is applied.

SIDE WALLS should be at least six inches thick and bottoms may be 4 to 6 inches thick. Many finishing treatments for the top edges and borders of formal Pools are possible and should be decided upon before construction is started. Brick trim should, of course, be set in place as soon as the walls have been poured so that it will set thoroughly in the concrete.

How to Plant and Care for Beautiful Water Gardens

The FORMAL POOL, with symmetrical outlines and straight sides instead of sloping is diagrammed below. The illustration shows ledges for shallow water plants which may be modified for convenience or economy as explained on these pages.



DRAINS and overflow drains will be necessary when a fountain or running water is provided. Otherwise the Pool may well be filled as required by a hose, and if well balanced as to aquatic life running water and drains are not at all necessary.

BORDERS for Pools, whether formal or informal in design, offer many opportunities for ingenuity on the part of the builder, more especially in the case of the informal Pool arrangements. Plan for Pool construction should cover this important feature. In informal Pool arrangements stones or bricks may well be pressed into the fresh concrete along the sides, near the top, to form pockets or ledges for planting shallow water and Bog Plants. Arrange these pockets or ledges so that the soil placed in them will give water depths of from 2 to 10 inches to

provide for the various types of Shallow Water and Bog Plants. In general it may be said that the informal Pool should provide approximately for all the various conditions of water depth and soil to be found naturally at the shore lines of fresh water ponds and lakes.

We shall be pleased to assist in any matter pertaining to the growing of Water Lilies and other aquatics; selection, arrangement and care of plants in the Pool, and in any other matter with regard to water gardening in which we can be of service.

HARDY LILIES may be planted any time after growth begins in the spring; and as late in the fall as will let them become established, generally about six weeks before real cold weather sets in. Tropical Lilies may be planted any time after settled weather is assured; usually after May 20th in the latitude of Chicago. Plantings farther south may be made much earlier. We ship at the proper planting time for the locality in which the planting is to be made. We also ship at any time, on request.

Tropical Lilies may be grown and flowered continually for many years in a greenhouse, conservatory, or sun room pool simply by giving the proper temperatures and additions of fresh soil occasionally. Tropical Lilies planted out too early in cold water; or in water that is too deep for young plants (over 12 inches) or in a heavily shaded pool tend to go dormant. When this happens the plant is not dead; and by placing root in warm sunny water growth will recommence. It is to avoid this unnecessary delay in growth that we advise against too early planting. For greatest number of blooms throughout the season only 8 to 12 inches of water should be allowed over the crowns. When plants are received set out in shallow water; then fill up the pool as the plants commence to grow. For best results the pool should be exposed to full sunlight.

HOW TO PLANT:

The root of the Hardy Lilies should be pressed into the mud so that the growing tip is covered. Should the roots float after planting, weight with a stone until the new feeding roots have caught hold. If the bottom is very hard or stony, plant lily roots in light holders filled with heavy loam to which one-fourth cow manure has been added and sink in the desired spot. For most blooms water depth should not exceed two feet in summer, but be careful to select a spot well covered by water in winter. The winter depth is unimportant; the deeper the safer. Hardy Water Lilies will bloom in 3 to 5 feet of water, but not so profusely. Tropical Lilies may also be planted in natural ponds and lakes provided a very shallow spot is selected (8 to 10 inches deep), and the pond or lake maintains a fairly high temperature all summer (at least 65 degrees). Water Lilies of any variety, for best results, should not be

planted near a cold inlet nor in swiftly moving water. In fertilizing natural ponds cow manure may be layered on the ice to a depth of one inch or more. It will become water-logged in spring and sink. Bone meal may also be used in a like manner. Apply at the rate of one pound per square foot.

Containers for planting in constructed Pools may be anything from a large flower pot, a plant tub, or a box one foot square and six inches deep, to a tub two feet in diameter and a foot deep, or a box two feet square and eight inches to a foot deep. The larger the container, the greater the amount of soil given the plant, therefore more and larger blooms will result. Allow each Water Lily 8 to 12 square feet of water surface.

The soil, whether placed directly in the pool or in containers, should be a good, heavy, garden loam. The addition of one part *well rotted* cow manure to every four parts of soil will prove beneficial. A mild commercial fertilizer may be used, or a mixture of blood and bone meal (one quart dry measure per bushel of soil).

Water Lilies once started into growth are heavy feeders. Their roots spread out and feed laterally. It is advisable to drain the Pool every two to three years and replace all soil with fresh material, or at least top dress the soil by cutting off two or three inches and replacing with fresh soil, or fork in rotted cow manure or a commercial fertilizer, taking care not to injure the crowns.

Where containers are used, remove, empty, refill with fresh soil; reset the crown and return the container to its place.

An easy way of fertilizing is to place as much well rotted cow manure or mild commercial fertilizer in a paper bag as can easily be held in one hand. Press the bag into the soil near the Lily crown. The bag will disintegrate, allowing the fertilizer to incorporate itself with the soil. This method of fertilizing may be used for small quantities of fertilizer during the flowering season on any plants showing a tendency to fall off on flower production. This method is an excellent way of fertilizing Tub-Gardens and other small containers.

Tamp all soil, whether directly in the Pool or in containers, cover with one-inch layer of clean sand, and tamp sand. This prevents soil being stirred up and discoloring the water.

SUNBURST COLLECTION—After seeing this trio in bloom you will agree it is most appropriately named. Comanche supplies the strong red-orange and coppery tones seen close to the rising sun; Paul Hariot the soft yellow and pink shadings of sunrise light shafts, and Helen Fowler the delicate pink suffusion with which these shafts tint distant clouds. These three, in Collection \$4.00

PAUL HARIOT
COMANCHE

HELEN FOWLER



Hardy Water Lilies Ideal

HARDY LILIES are unexcelled for planting in natural ponds, lakes or in still pools along a river or stream-bank, and will beautify the most unattractive bit of water provided they are not planted in too deep water or near a cold inlet. (See page 7.) Once established so that the crowns will not be injured by freezing or ice, they become a source of permanent beauty. They may be grown in the smallest of pools and in tubs.

The hybridist has obtained excellent results with Hardy Lilies in developing color, quality, size, symmetry, fragrance of flowers, and growing qualities of the plants. The flowers embrace all the colors from purest white, delicate shell-pink, deep rose-pink to richest reds, yellows, and combinations of red and yellow. There is, however, no blue Hardy Lily. For this color one must go to the Tropical Lilies. Another contrast between Tropical and Hardy Lilies is that the blooms of the former are borne on stems well above the water, whereas those of the Hardy Lilies float or are raised only slightly.

Hardy Lilies may be planted any time from the start of growth in spring (about April 1) until the last week of August. It is inadvisable to attempt planting before or after these dates. The following varieties, both recent introductions and old standard sorts, we consider the best for results. We list these varieties by color, rather than by alphabetical arrangement. Our Lilies are Northern grown and therefore exceptionally hardy.

DESCRIPTIONS OF HARDY WATER LILIES

WHITE LILIES

MARLIAC WHITE (*Albida*)—(Illustrated on pages 9 and 12)—Richly fragrant broad-petaled flowers of a pure, waxy white with bright yellow stamens; continuous bloom. \$0.75.

LOOSE—Flowers, opening very early in the morning, are large, very fragrant, and produced continuously. \$1.50.

GLADSTONE—Large, pure-white, globular flowers. A strong, vigorous grower inclined to hold both leaves and flowers above water when crowded. \$1.25.

PYGMY ALBA—Native of China. Delicate, tea-scented, white flowers. \$1.50.

ODORATA GIGANTEA (*Hopalong*)—Flowers larger than Odorata. Unexcelled for

naturalizing in ponds and lakes. \$0.50 each; \$5 a dozen.

ALBA CANDIDISSIMA. A free and continuous-flowering variety. Large, pure white blooms float among the deep green pads. \$1.

ODORATA MINOR—Excellent for planting along the edge of pools or in tubs. Tiny, fragrant, white lilies, 2 to 3 inches across. \$0.75.

LACTEA—Fragrant milk-white flowers, produced freely. Plant of moderate growth. \$2.

GONNERE—Large very double flowers of pure white. Stamens canary yellow. \$3.

PINK LILIES

ROSE AREY—(Illustrated on page 5)—Very free flowering and a strong grower.

for Your Pool, Pond or Lake

OUR SHOW COLLECTION—These five Hardy Lilies are an assortment making a blue ribbon display in any pool. Very reasonably priced, in collection, only

\$5.80

EUGENIA DE LAND
GLORIOSA

MARLIAC ALBIDA

SIOUX
PINK OPAL

The flowers are very large, being eight or more inches across, fragrant, with long-pointed petals. A word picture falls short in describing the deep uniform pink color of this most satisfactory variety. One must see it growing and flowering to appreciate fully its merit. \$1.50.

EUGENIA DE LAND—(Illustrated on page 9)—A vigorous and free-flowering variety of *Odorata* type. Flowers large, floating, of a deep rose-pink; petals long, pointed. \$1.50.

MARLIAC FLESH (*M. Carne*)—Large, full-petaled flowers of a beautiful flesh-pink. Plant very vigorous, foliage bronze-green. \$1.25.

MARLIAC ROSE (*M. Rosea*)—(Illustrated on page 12)—Fragrant, cup-shaped flowers, of deep rose. Free flowering and of good size. \$1.

HELEN FOWLER—(Illustrated on page 8)—Very adaptable to Tub-Gardens. Deep pink flowers of medium size borne above the water. \$1.

PINK OPAL—(Illustrated on page 9)—Full-petaled cup-shaped flowers of a deep, rich pink. Foliage, reddish-green. \$1.

W. B. SHAW—Immense, very fragrant blooms. Petals light pink shading to rose at base. A strong growing and continuous flowering variety. \$1.

MARY—An ideal Tub-Garden or small Pool variety. Flowers a rich rose-carmine. \$1.

SOMPTUOSA—An enormous, very full-petaled, fragrant flower; petals rose-pink; stamens deep orange. Strong growing and free flowering. \$3.

NEPTUNE—Exceptionally free flowering.

Broad, pink petals flushed with red at the base. A very attractive variety. \$3.50.

MASANIELLO—Large, fragrant flowers borne above the water. Petals rounded, pink dotted carmine. \$2.

ODORATA ROSEA—The well-known Cape Cod Pink Water Lily. Fragrant flowers of good size. \$1.

WILLIAM DOOGUE—Large flowers of a delicate shell pink, slightly cup-shaped. \$2.50.

ROSE MAGNOLIA—Ideal for naturalizing. Light, flesh-pink flowers, borne slightly above the water. \$1.

VENUSTA—Flowers cup-shaped of a rich deep pink, produced freely. \$2.

SPLENDIDA—Exceptionally free blooming. Large broad-petaled flowers of a rich pink deepening to red at the base of the petals. \$2.

PINK LAYDEKER—(Laydekeri lilacea) an ideal semi-dwarf variety producing numerous lilac pink flowers throughout the season. \$1.75.

ODALISQUE—Flowers very fragrant, of a deep pink, opening very early in the morning. \$2.

GOLIATH—Flowers very large tulip-shaped wide petals flecked with rose. \$4.

GALATEE—Desirable variety. Medium sized flowers having white petals flecked with crimson, giving the appearance of a pink flower. \$2.

FORMOSA—Large flowers of delicate lilac pink. Fragrant. \$3.

YELLOW LILIES

MARLIAC YELLOW (*Chromatella*)—(Illustrated on page 12)—Bright, chrome-yellow flowers. Leaves rich green, splotched bronze-red. Of compact habit, vigorous, and very free flowering. Ideal for Pool or Tub-Garden. \$1.

SUNRISE—(Illustrated on front cover)—Beautiful sulphur yellow flowers of large size borne slightly above the water; produced freely from early season until frost. \$3.

ODORATA SULPHUREA GRANDIFLORA—Not the common Sulphurea but the True Improved Sulphurea Grandiflora. \$2.

(Continued on Next Page)



"I want to tell you how much I like the plants and fish I got from you this spring. The plants are growing fine and blooming continuously." — Miss Josephine B. Garrison, Washington, D. C., August 20, 1932.

PYGMY YELLOW (*Helvola*)—Tiny, floating, light canary-yellow flowers in abundance. Adaptable to Tub-Gardens or the shallow water along the edge of Pools. \$0.75.

RED LILIES

GLORIOSA—(Illustrated on page 9)—One of the best. Flowers a beautiful clear red, deepening to dark red; full-petaled; very symmetrical and fragrant. Adaptable to Pool or Tub-Gardens. Blooms continuously. \$2.50.

ATTRACTION—An immense flower, remarkably bright red in color and very free in bloom. We have counted fifty blossoms on a single box of them. \$3.50.

CONQUEROR—(Illustrated on front cover)—An immense flower; the bright red petals shaded with white on the inside change to deep red as the flower ages. Strong plants producing a wealth of bloom. \$3.

ESCARBOUCLE—Flowers an intense vermilion-red deepening on succeeding days; stamens garnet. Strong growing; should be included in every collection. \$3.

JAMES BRYDON—Handsome bronze-red foliage and large, cup-shaped flowers whose broad petals are a unique rose-crimson. An exceptional variety. \$2.50.

LUCIDA—(Illustrated on page 5)—Large flowers of a rich, warm red; petals long, pointed; stamens red-orange. Foliage green splotted maroon. Free flowering. \$2.50.

ROBINSONI—Leaves spotted maroon and deep red on under side. Flowers a violet red with slight orange suffusion; stamens red-orange. Makes a vivid contrast. \$2.50.

SULTAN—Large flowers of a striking shade of red. Petals shade from light to deep red at base. Blooms continuously. \$3.

RENE GERARD—Flowers very large, many petaled of a deep old rose shading to rose crimson. A distinctive variety. \$4.

PICCIOLA—Rich green foliage splotted with red. Large dark crimson flowers borne above the water. \$3.

MARLIAC FIRE—A distinctive variety producing medium sized flowers of a uniform fiery red. \$3.

LAYDEKER PURPLE—Plant of medium growth. Flowers deep rosy crimson, stamens orange red. \$2.

RED LAYDEKER—Flowers a brilliant ama-

ranth red. Stamens fire red. Plant of medium habit. \$2.

VESUVE—Plant of good growth. Flowers fragrant of a dark rich red. \$3.

RED AND YELLOW LILIES

COMANCHE—(Illustrated on page 8)—The hardiest of all cultivated lilies. Large flowers of rich apricot with glowing red markings deepening to copper orange; olive green foliage flaked brown. Vigorous and free blooming. \$2.

AURORA—(Illustrated on page 4)—Very free flowering, of semi-dwarf habit suitable for small Pools or Tub-Gardens. Flowers amber-yellow, shading to red-orange on the second day and then deep red. \$1.

SIOUX—(Illustrated on page 9)—Flowers a rich copper-yellow of good size; petals long, pointed, and tinged red along the sides. Flowers and central foliage raised slightly above the water. \$1.50.

INDIANA—A free growing variety bearing beautiful copper-yellow flowers tinged pink, deepening to copper-red on succeeding days. A remarkable plant producing a constant succession of color changes in its freely produced flowers. \$1.50.

PAUL HARIOT—(Illustrated on page 8)—Cup-shaped blooms of a delicate light yellow suffused with pink. Colors deepen on succeeding days to yellow and copper-red. Mottled foliage. \$2.

CHRYSANTHA—(Illustrated on page 4)—Medium-sized flowers changing from amber-yellow to deep yellow-vermillion; stamens fiery orange. The plant is compact-growing, semi-dwarf in habit, making it an excellent variety for small pools or tub. \$2.

GRAZIELLA—(Illustrated on page 5)—Charming orange-pink flowers shading to a fine orange-red with age. A splendid variety for the Tub Garden and one you will enjoy for its unique color and pretty cupped form. \$1.50.

SOLFATARE—A free blooming variety bearing rich apricot colored flowers of medium size. \$2.

MOOREI—In many respects like the Marliac Yellow. The flowers being of a deeper tone of yellow. \$2.25.

..... Lotus Lilies Make

ONE of the most fascinating adventures in water gardening is the cultivation of Lotus Lilies, famed from time immemorial for their association with ancient Egyptian civilization—a type of Water Garden often called a Nile Garden. Flowers and leaves of these plants inspired ancient art and have become immortalized in many features of classical design. Seeds and roots of some of these plants were foods of early Nile River populations. The modern Water Gardener will find their beautiful and fragrant blossoms, their luxuriant and attractive growths, equally as inspiring.

THE NELUMBIAN OR SACRED LOTUS

Lotus plants are native to many parts of the world. The Hindu Lotus of India was worshipped by the early Egyptians so that it is popularly known as the Sacred Lotus. All varieties of the Lotus plants, which grow quite high above the water, are suitable for any Water Garden plan, especially as center pieces and corner plantings. They will grow and flower equally well in urns or other containers if moisture is abundantly supplied. Seed pods of the Lotus are almost as attractive as the flowers which precede them. Leaves and seed pods of the Lotus plants are often gilded or otherwise painted and made into unique interior decorative pieces.

Tubers of the Lotus plants, resembling large bananas, can be shipped to our customers from May 1 to June 1 only. Plant them as you do Hardy Lilies in only 6 to 10 inches of water. Lotus plants spread so rapidly that unless partitioned off in separate planting containers they may take possession of the whole pool and

choke out other plants. Plant Lotus tubers at an angle in the soil so that the growing tips are just barely covered.

AMERICAN LOTUS (*Nelumbium lutea*) is a variety native to the southern states, popularly known as the Water Chinquapin, which thrives well in all eastern and northern parts of the country. Produces large, cream-yellow flowers. Each, \$1.50.

SACRED or EGYPTIAN LOTUS (*Nelumbium nucifera*) produces flowers that are delightfully fragrant, the petals a beautiful rose at the tips shading to cream colors at the base. Hardy, vigorous, and free-growing. Each, \$1.50.

SHIROMAN LOTUS (*Nelumbium shiroman*) produces pure white flowers with golden stamens that are large and very fragrant. The blue green foliage is beautiful. Each, \$3.

CHINESE LOTUS (*Nelumbium pekinensis rubrum plenum*) produces magnificent double flowers of a rich rose, the finest red Lotus yet produced. Each, \$3.

A TRIO OF LOTUS

Three tubers of named varieties of this magnificent, stately Water Plant.

The Trio.....\$5

a Nile Garden....

LOTUS COLLECTION

Lotus groups are beautiful center pieces and background plantings for pools, and will grow and flower beautifully anywhere in the lawn if moisture is abundant. A choice collection of delightfully contrasting and fragrant plants which we can ship together are

One American Lotus One Sacred Lotus
One Chinese or Shiroman Lotus (your choice)

Three Strong Tubers,
One of Each Variety, **\$5**

STAR LILIES

Star Lilies are very sturdy, easy to grow, and give a wealth of medium-sized flowers in a season. The long, pointed petals give the bloom a starry appearance; and their delightful fragrance, brilliant colors, and exceptional qualities as a cut flower make them a valuable addition to the Water Garden.

Star Lilies, \$2 each
Blue Star, Rose Star, Purple Star
Red Star, Pink Star

Any Three, Your
Choice, Collection, **\$4.75**



This diagrammatic illustration may serve as a plan for planting a typical Nile Garden, or merely as a suggestion to the inventive gardener for a general plan. Suggested planting arrangement illustrated: 1 and 2—Water Lilies, L—Lotus, A—Paper Plant and Cattails, B—Pontederia and Bulrush, C—Arrowhead and Sweet Flag, D—Floating Heart and Parrot's Feather, F—Water Hyacinth and Water Lettuce.

“Again assuring you of my appreciation for your fair treatment, and promising you my future orders, I am, yours very cordially.”—Cooper J. Pierce, Macogdoches, Texas, April 26, 1933.

SPECIAL NILE GARDEN COLLECTION

2 Papyrus Plants	2 Water Lettuce
2 Water Rushes	2 Floating Heart
2 Arrowhead	2 Parrot's Feather
2 Pontederia	2 Bulrush
1 Sacred Lotus	2 Sweet Flag
2 Water Hyacinth	1 White Lotus Water Lily
	1 Blue Lotus Water Lily

TWENTY-THREE Plants, including TWO Water Lilies and a Sacred Lotus, in Collection..... **\$6.75**

QUICK, ECONOMICAL POOL
for two lilies and many other plants and fish

IF you are considering a small Water Garden, save time, labor and money by installing one of our new pool-aquarium combination Galva-Tanks. Just excavate soil to sink the tank to ground level or below to permit rock and dwarf border perennials (see page 19) to be planted around the edges. With our Galva-Tank you can install your Pool, plant it, and begin enjoying your Water Garden plants and fishes within a few days after receipt. The Galva-Tank may also be used as a first class winter tank or aquarium, by moving it to the basement. Guaranteed leak-proof heavy galvanized sheet metal with lapped sealed joints securely riveted with drain and overflow pipe. Shipping weight, 65 lbs. Price, tank only, \$5.

Galva-Tank Collection

*1 Guaranteed Leak-Proof Galva-Tank.
1 Aural Collection Water Lilies
(see color illustration, page 4).
16 Select Goldfish (12 Comets, 2 Japanese Fantails, 2 Shubunkins)—all 4-inch or larger.
1 Small Pool Collection of Scavengers.
9 Perennial Plants assorted.
12 Water Plants assorted.
1 Net, 6 inches.
1 Box (1 lb.) Fish Food.
1 Fish Bucket.

**ALL
FOR \$14.50**

*(Tank shipped by freight on receipt of order. Plants and fish shipped at proper planting time.)

Fertilize Your Lilies with "HOOSIER BIG BLOOM"

For really fine results with Water Lilies in your Pool you must use a good fertilizer liberally, and nothing will surpass in effectiveness or economy our Hoosier Big Bloom Fertilizer. The heavy foliage and profuse flowering of Water Lilies shows what heavy feeders these plants are, and you must remember that pool conditions restrict the earth available to their roots. Large blossoms will reward you for adequate fertilizing of your pool containers. (See page 7)

Five pound bags\$0.50
Ten pound bags85
Twenty-five pound bags 1.75

One quart of Hoosier Big Bloom Fertilizer should be used with each bushel of earth.

FISH AND SCAVENGERS FOR NILE GARDEN

12 Comet Goldfish, 4-5 inch.
6 Shubunkins, 3-4 inch.
6 Japanese fantails, 2½ inch.
1 Small Pool Collection of Scavengers. (6 Japanese Snails, 6 Black Ramshorn Snails, 6 Tadpoles, 2 Clams, 2 Salamanders).

THIS COLLECTION **\$4.50**

MARLIAC TRIO—In this natural-color photograph we show late September blooms of our plants, from which you may gain some idea of the splendid flowering to be expected in your Water Garden. These Hardy Water Lilies are the widely known and deservedly popular Marliac Trio—the yellow, white and pink Marliacs. Our price, in Collection, only \$2.25

ROSEA

CHROMATELLA

ALBIDA



Tropical Water Lilies are

TROPICAL LILIES provide twenty-four hours of continuous bloom each day from settled weather in spring until fall. They adapt themselves to the largest Pools or the smallest Tub-Gardens, size of flower alone being affected, this depending on the amount of soil and water surface provided. We ship only matured, potted plants, many already in flower, which produce fully developed plants giving a wealth of bloom in a surprisingly short time after setting out.

Tropical Lilies are of two distinct types: the Dayblooming Lilies, whose flowers open with the sun and close at evening, and the Nightblooming Lilies, whose flowers open in the afternoon and remain open until late the following morning. For constant succession of bloom the Tropical Lilies are unexcelled. Tropical Lily blossoms stand above the water in contrast to Hardy Lily flowers, which float. Set Tropical Lilies out in boxes 18 inches to 2 feet square and a foot deep, submerge 8 to 10 inches, and allow from 8 to 20 square feet of water-surface, for best results. They may be set out when settled weather is assured, which, in the latitude of Chicago, is about the end of May.

DESCRIPTIONS OF DAY-FLOWERING VARIETIES

WHITE LILIES

MRS. GEORGE H. PRING—The best pure white Tropical Lily. Flowers very fragrant, 8 to 10 inches; long pointed petals and sepals; golden-yellow stamens, borne in abundance all season. Produces equally well in scant or ample quarters; size of flower alone affected. \$1.25.

GRACILIS—Flowers a cream-white; of medium size; on good stems well above the water; fragrant. \$1.25.

JANICE—A pure white flower of medium size; plant of compact habit bearing young plants on the leaves. \$2.

PINK LILIES

MRS. ROBT. SAWYER—Plant sturdy, producing young plants on the leaves; flowers in abundance; gorgeous, full-petaled, and of a delightful shade of pink. \$2.50.

ZANZ. ROSEA—Flowers rose-pink of good

size, bell shaped, and produced very freely. Adaptable to any size Pool or to Tub-Gardens. \$1.

GENERAL PERSHING—Broad, chalice-shaped flowers of a clear pink, delightfully fragrant. Foliage beautifully mottled. \$3.

STELLA GURNEY—Flower full-petaled; fragrant, freely produced and of a light rose-pink. Borne on good stems well above the water. \$2.

GRACILIS ROSEA—A deep rose-pink seedling of Gracilis. \$2.

MRS. C. W. WARD—Beautiful large flowers of a deep rose-pink on good stems. Petals and sepals long, pointed. Flowers produced very freely. \$2.

CASTALIFLORA—Large fragrant chalice-shaped flowers of a rich pink. \$1.50.

PURPLE LILIES

ZANZIBARIENSIS—The native African purple lily. Flowers 6-8 inches, very fragrant, showy, and freely produced. \$1.50.

the Brightest Gems of Water Gardening

AUGUST KOCH—Flowers very fragrant and freely produced. 7-8 inches. Of a pale wisteria-violet; sepals lilac. Plant of stocky, compact habit adaptable to varying conditions. Foliage a dark green. \$2.

PANAMA-PACIFIC—Flowers a wine-purple with golden stamens. This variety is practically ever-blooming; of compact habit producing young plants on the leaves. Leaves beautifully spotted and marked as are the bronze-green buds. \$2.

BLUE LILIES

MRS. ED. WHITAKER—Light lavender-blue flowers; long pointed petals; exceptionally free flowering. Very adaptable. Can be flowered in a small pot. Size of flower and foliage increased with additional allowance of water surface and soil. \$2.

CAERULEA—The original "Blue Lotus" of the Nile. Produces an endless succession of fragrant blooms until heavy frost. \$1.25.

PENNSYLVANIA—Flowers a deep rich blue; many petaled; stamens golden-yellow, tipped blue. Buds and leaves green beautifully spotted maroon. \$2.

BLUE BEAUTY—An old, beautiful, and dependable Tropical Water Lily having large fragrant flowers of a delightful blue; stamens yellow, tipped blue. Foliage and buds green, spotted purple. \$1.65.

DAUBEN—Flowers a light blue and very fragrant. Plant compact, suitable for Tub, Pool, or Aquarium culture. \$1.

BLUE BIRD—Flowers of medium size, cup-shaped, of a good shade of blue. \$4.

ERNST LUDWIG—Given space, this variety will prove a vigorous grower, producing large flowers of a rich violet-blue on stout stems. Foliage glossy green. \$2.50.

WM. STONE—An excellent cut flower. Large, deep blue flowers on long stems in abundance. \$2.

CAPENSIS—Medium size, chalice-shaped, sky-blue flowers freely produced. \$1.25.

AMETHYST—A large free flowering variety bearing young plants on the leaves. Flowers a deep amethyst blue. \$2.50.

CALIFORNIA—An excellent variety. Large blue flowers, freely produced. \$2.

COL. LINDBERGH—Enormous deep caerulean blue flowers carried high above the water on good stems. Plant of strong growth. \$2.50.

INDEPENDENCE BLUE—A strong growing and free flowering variety. Flowers large of a pleasing shade of blue. \$1.50.

MRS. WOODROW WILSON—Plant of compact habit, producing young plants on the leaves. Flowers a light lavender blue, cup-shaped, of medium size, and very freely produced. \$2.

HENRY SHAW—An excellent variety of moderate growth. Free flowering producing fragrant bloom of campanula blue. \$1.50.

RED LILIES

PATRICIA—A very free flowering variety of compact habit suitable for small Pools and the Tub-Garden. Flowers of medium size of a rich crimson. \$2.

GRACILIS RUBRA—Very free flowering. Flowers of a rich red, medium size with many long pointed petals. \$2.

DESCRIPTIONS OF NIGHT-FLOWERING VARIETIES

GORGEOUS display of brilliant color is the claim of the Night-blooming Lilies for recognition and a place in every pool. The designation "Night-bloomer" is a trifle misleading; specifically, the flowers close at midday, or when the sunlight becomes strongest, and open again in the afternoon. On cloudy days or in late summer, when the weather becomes cooler, they sometimes remain open through the twenty-four hours.

The magnificently large, exquisitely colored flowers are deserving of greater popularity than they at present enjoy. These Lilies can be grown in the smallest of pools, in which case the leaves and flowers will be dwarfed, though the blooms lose none of their rich coloring; or in a large Pool, where with ample space they will produce continuous blooms surpassing in size any of the other types of Lilies.

RED LILIES

DEVONSHIRE—Very free blooming. Bright rosy red flowers 8-10 inches. Bronze-green foliage. \$1.50.

BISSET—Leaves bronze-green. Flowers 8-10 inches; petals deep rose; stamens burnt orange. \$1.50.

GEORGE HUSTER—Flowers a brilliant crimson. A vigorous grower. \$2.

FRANK TRELEASE—Exquisite dark crimson flowers of good size; petals long, pointed, giving a starry effect. Stamens deep reddish brown. Leaves dark red. \$1.50.

STURTEVANT—Enormous flowers; pink, deepening to red; desirable for large pools. \$2.

WHITE LILIES

JUNO—The largest flowered Night Bloomer. Broad snow-white petals around a center of yellow stamens. Large, glossy-green, dentate foliage. \$2.50.

DENTATA—Blooms very freely, flowers of medium size. Petals broad, pure white surrounding a center of golden stamens. Foliage green. \$1.50.

PINK LILIES

RUBRA ROSEA—One of the best. Large flowers of brilliant rose-carmine held well above the mottled foliage. \$1.50.

OMARA—A vigorous grower. Produces large flowers of deep rose lightened by a white stripe through each petal; stamens deep orange-red. \$1.25.

JUBILEE—Flowers 6-8 inches; white with pink suffusion at base of the petals. \$1.50.

VICTORIA LILIES

Water gardeners who have large pools or natural ponds or lakes may grow the amazing Victoria Lilies from tropical America, which produce leaves six feet or more in diameter with edges turning up three inches or more. The huge flowers are beautiful white color and of delightful fragrance. Victoria Lilies require planting boxes three or four feet square or ample room in natural waters. Though dwarfed by crowding they are yet the most extraordinary members of the plant family. We supply them as low as \$7.50 each, and solicit inquiries from those whose water gardens provide space for them.

Shallow Water Plants

ALL Water Gardens, whether natural Ponds, artificial Pools, or Tub-Gardens, should have their margins beautified by suitable plantings. About natural bodies of water the soil at the immediate edge is very moist and here the marsh, bog, and shallow-water plants thrive. Back from the edge, except in springy meadows and the like, the soil is usually well drained and admirably adapted to the growing of many beautiful hardy perennials. In many instances, however, the artificial Pool is constructed where the ground is high and dry. The border planting for such must necessarily be of perennials suited to a dry, sunny location. A number of suitable perennials are listed on page 19.



This beautiful pool with its proudly lifted Tropical Water Lily blossoms is at the home of John S. Van Gilder, of Knoxville, Tennessee, and its waters hold many large, colorful Goldfish which we supply from Grassfork Fisheries.

Formal Pools have their centerpieces and corner designs of shallow water plants, and in natural Pools the plantings are carried down the bank and into the water. The Shallow-Water Plants serve ideally for either purpose.

ARROWHEAD, Giant (*Sagittaria montevidensis*). Hardy plants 1 to 3 feet high, producing freely tall spikes of large white flowers. 50 cts. each, \$1.25 for 3.

ARROWHEAD, Common (*S. latifolia*). Large arrowhead leaves and white flowers. Ideal for group planting in shallow water. Hardy. 25 cts. each, \$1 for 5.

BOGBEAN (*Menyanthes trifoliata*). Racemes of pretty white flowers suffused with pink, on stems a foot high. 50 cts. for 3, \$1.50 per doz.

CATTAILS (*Typha latifolia*). A graceful, attractive plant when grown in clumps, bearing the dark brown flower-spike well above the foliage. Excellent for naturalizing and entirely at home on the edge of Pools, at a swamp-border, and along sluggish streams. \$1 per doz.

FLOATING-HEART (*Nymphoides peltatum*). An European species with yellow flowers. Has a tendency to crowd out other plants once established. \$1 per doz.

FLOWERING RUSH (*Butomus umbellatus*). A hardy plant with peculiar three-sided leaves. Flowers pink. \$1 for 3, \$2.50 per doz.

FORGET-ME-NOT (*Myosotis palustris*). Flowers light blue, with yellow eye. A pretty little plant blooming throughout the spring and summer. \$1 for 5, \$2 per doz.

MARSH MARIGOLD (*Caltha palustris*). Large, yellow, goblet-shaped flowers in early spring. 75 cts. for 4, \$2 per doz.

PARROT FEATHER (*Myriophyllum proserpinacoides*). Long, trailing stems and whorls of finely cut, beautiful green foliage. Very attractive as an edging plant, the tips floating out upon the water. 50 cts. for 6, \$1.00 per doz.

PICKEREL WEED. A sub-aquatic common to borders of brooks and Ponds, having spikes of intense blue flowers. 2 ft. 50 cts. for 2, \$2.50 per doz.

PRIMROSE CREEPER (*Jussiaea repens*). A quick-growing, trailing aquatic having waxy green leaves and masses of yellow flowers. Hardy. 50 cts. for 3, \$1.50 per doz.

PURPLE WATER HYACINTH (*Eichhornia azurea*). Plants of creeping habit, the runners floating out upon the water. Flowers of rich purple with delicately fringed petals. 50 cts. each, \$1.25 for 3.

SWEET FLAG, Variegated (*Acorus calamus variegata*). Iris-like leaves, striped green and creamy white, on running root-stalk. Hardy, 2 to 3 ft. \$1 for 4, \$2.50 per doz.

SWEET FLAG, Dwarf (*A. gramineus variegata*). Dwarf; narrow leaves, having a pure white stripe. Hardy. 8 to 10 in. 35 cts. each, \$1 for 3.

WATER POPPY (*Hydrocleis nymphoides*). A pretty, Water Lily-like plant having yellow chalice-shaped flowers with black centers. 50 cts. for 3, \$1.50 per doz.

WILD CALLA (*Calla palustris*). Small white Calla Lily with flowers on running root-stalks. A splendid edging plant. 75 cts. for 4, \$2 per doz.

WILD RICE (*Zizania aquatica*). A very ornamental, reed-like aquatic bearing large panicles of bloom on graceful stems 6 to 10 feet high. A few plummy heads of Wild Rice seeds will attract birds to your Pool in numbers. \$1 per doz.

COLLECTION of 7
Shallow-Water Plants, **\$1**

COLLECTION of 15
Shallow-Water Plants, **2**

Floating and Oxygenating Plants

WHEREVER fish are kept, in Pool or Aquarium, the Floating and Oxygenating plants take on especial importance. Oxygenating plants produce free oxygen in the water in the processes of growth and are very valuable in supporting vigorous and active fish life for this reason. Floating Plants provide natural places for the fish spawn, their dense masses of roots being ideal for holding the spawn close to the surface of the water where the eggs will be sure of sufficient warmth from sunshine to hatch. Oxygenating and Floating Plants in the Water Garden will provide a convenient source of fresh plantings for the Aquarium, where they are necessary if balanced aquarium life is to be established.

FLOATING PLANTS

Floating Plants may be placed anywhere in the pool and are unexcelled for planting nooks and corners, or at the base of taller growing plants.

AZOLLA—Forming crinkly green or reddish patches upon the water. Excellent as a cover for young fish. 50c per portion; \$1.25 for three.

WATER FERN—A true fern; bearing young plants on the leaves. A good cover and very useful in raising Red Snails. 50c for four; \$1.25 per doz.; small plants, 50c per portion.

DUCK WEED—A good fish food. Tiny, round leaves like polka dots on the water. 50c per portion; \$1.25 for three.

SALVINIA—Very odd and a good cover. Forms a chain of tiny, round, green leaves. 50c per portion; \$1.25 for three.

WATER LETTUCE OR SHELLFLOWER—Blue-green fluted leaves and long, wavy roots. Strikingly different. 50c for three; \$1.50 per doz.

FLOATING PLANT COLLECTIONS

1. Five assorted Floating Plants **\$1**
2. Twelve assorted Floating Plants **2**

WATER HYACINTH—Spikes of orchid-lavender flowers and young plants produced very freely if the long, massy roots are allowed to anchor their tips in soil. Excellent for the spawn of gold or tropical fishes and as a cover for the young. 50c for six; \$1.00 per doz.

OXYGENATING PLANTS

If soil has been placed in the bottom of the Pool these plants may be weighted and dropped in anywhere desired, taking root in a very short time; or they may be planted in pots or pockets along the side or in a shallow box placed directly on the bottom.

ANACHARIS—A rapid growing plant and one of the best oxygenators. 50c for six bunches; \$1 per doz.

SAGITTARIA SINENSIS—Excellent for bottom cover in the pool; and a very desirable aquarium plant. 50c for six plants; \$1 per doz.

VALLISNERIA—A good oxygenator with long, narrow, wavy leaves. 50c per doz.; \$1 for twenty-five plants.

CABOMB A—Very popular. Broad, fan-shaped, finely cut leaves. 50c for six bunches; \$1 per doz.

MILFOIL; MYRIOPHYLLUM—Excellent for fish spawn. Delicate green leaves having a lacy appearance under water. 50c for six bunches; \$1 per doz.

LUDWIGIA—Round, glossy green leaves; under side and stems red. Very decorative in the aquarium. Should be planted in shallow water, in pools. 50c for six bunches; \$1 per doz.

COONTAIL CERATOPHYLLUM—Straight growing stems with short bushy side growths. Leaves like tiny pine needles. 50c for six bunches; \$1 per doz.

OXYGENATING PLANT COLLECTIONS FOR THE POOL

1. 20 (Plants and bunches) in 5 varieties..... **\$1.50**
2. 36 (Plants and bunches) in 6 varieties..... **2.50**
3. 60 (Plants and bunches) in 6 varieties..... **4.00**

HARDY ORNAMENTAL GRASSES

MISCANTHUS SINENSIS GRACILLIMUS (*Eulalia gracillima univittata*)—(Maiden Grass.) A graceful, ornamental, hardy Grass with long, narrow, green leaves, midrib lighter. Plumes rise from center. 4 to 5 ft. 35c each, \$1 for three.

MISCANTHUS SINENSIS VARIEGATUS (Striped Eulalia)—A variety having broader leaves striped white and green. 4 to 6 ft. 35c each, \$1 for three.

MISCANTHUS SINENSIS ZEBRINUS—Makes showy clumps of graceful foliage with alternating bands of green and creamy white. 35c each, \$1 for three.

PENNISETUM ALOPECUROIDES (*P. japonicum*)—A hardy fountain-like Grass having the flower plumes well above the foliage. 3 to 4 ft. 35c each, \$1 for three.

COLLECTION

Hardy Grasses, three of each variety of Miscanthus, nine strong clumps, for \$2.50.

Special Aquarium Collection of Oxygenating Plants

- 10 (Plants and bunches); your choice..... **\$0.75**

....Books

FOR WATER GARDENERS

THERE are no limits to the interest of the successful Water Gardener, for Water Gardening may be done with a minimum of time, effort, and expense, or it may be given extensive study. We would recommend especially the books listed below, and we can supply copies at the prices stated.

THE WATER GARDEN, by Peter Bisset. Two hundred and ten pages of interesting and worthwhile text on the culture of water lilies and other aquatic plants; also describes the arrangement of perennials, shrubs, and evergreens for the borders and backgrounds of Pools. Beautifully illustrated, \$5 a copy.

WATER GARDENS AND GOLDFISH, by Robert V. Sawyer and Edwin H. Perkins. A handy book, of great assistance to the amateur water gardener. Part I: Water Plants and Their Care; Part II: Goldfish, Their Care and Breeding, \$1.65 a copy.

GOLDFISH VARIETIES, TROPICAL AND SUB-TROPICAL AQUARIUM FISHES, by W. T. Innes. A complete, concise, and interestingly written book dealing with the various aquarium fish; their habits, care, diseases, and how to breed them. Also chapters on aquarium plants, how to build aquariums, pools, etc. New edition 1929, 300 pages; 275 illustrations. \$4 a copy.

MODERN AQUARIUM, by W. T. Innes, author of Goldfish Varieties. A new book on the essentials of breeding and care of Gold and Tropical Fishes. 64 pages; 30 illustrations. \$1 a copy.

Among valuable references on fish culture are: **TROPICAL TOY FISHES**, The National Geographic Magazine, March, 1931, page 287. **GOLDFISH AND THEIR CULTIVATION IN AMERICA**, The National Geographic Magazine, October, 1924.

Popular-Priced Collections of Lilies,

SPECIAL collections of Water Lilies, Plants and Ornamental Fishes offered by Hoosier Aquatic Gardens in this and the following pages represent planting schemes whose merit has been proved in practice. The great variety of collections listed will meet every requirement for the largest to the smallest pools, and satisfy every individual taste for assortments of plants.

Detailed descriptions of the items included in the various collections can easily be found in the sections of this catalog devoted to the different groupings of Water Lilies, Goldfish, Tropical Fish, Miscellaneous Water Plants, and border Plants and Grasses.

Hoosier Aquatic Gardens collections represent the finest in quality of every article included, and the maximum economy for the purchaser. See page 2 for a detailed statement of terms and shipping conditions applying to all orders. You will find a convenient order blank inside the back cover of the catalog making it easy for you to give us all the necessary information concerning your order and the proper shipping of it.

IDEAL PLANTINGS FOR WATER GARDENS

These complete Pool collections do not include Perennials for the reason that many Water Gardens are planned without provision being made for Perennials and Rock Plants about the borders and walks. For those having a Rock Garden, flagged walk, or desiring a border of Perennials about the Pool, we offer a very choice selection of Perennials and Rock Plants on page 19.

This diagram illustrates a very suitable plan for planting large Pools, showing how the taller growing plants serve as corner and center pieces. Large Pools will provide considerable latitude in the arrangement of plants. The Goldfish and Scavengers offered in our collections are correct for balanced aquatic life, which is essential to keep the water clear and to promote suitable soil conditions for the plants.

1 to 8—Water Lilies.

A—Umbrella Palm, Sweet Flag, Water Poppy.
B—Arrowhead, Water Amaryllis, Floating Heart.

C—Sweet Flag, Water Willow, Water Clover.
D—Water Taro, Spider Lily, Trailing Hyacinth.

E—Paper Plant, Bulrush Cattail, Water Canna, Parrots Feather.

F—(Two identical groups)—Water Hyacinth, Water Lettuce, Water Fern, Salvinia.

Plantings in Water Gardens, so far as numbers of plants are concerned, are determined by the water area available, and the following choices forming a complete collection are ideal for Pools as large as 10 by 16 feet or more.

FOR LARGE POOLS

WATER LILIES: Your choice of any one of the following:

1. Five Superb Hardy Lilies and the Zanzibar Trio. (Page 17.)
2. Four Choice Day-Blooming Lilies (page 17), and the Blue Ribbon Collection (page 17).
3. Five Hardy Lilies as illustrated on page 9 (our Show Collection) and the Marliac Trio. Illustrated page 12.

AQUATIC PLANTS: 80 plants as follows: 32 plants suitable for corners, or ledges along the sides of the Pool, such as Taro, Arrow-

head, Primrose Willow, Umbrella Palm, Parrots Feather, Forget-me-not, etc., our selection; 36 submerged or oxygenating plants; 12 floating plants, such as Water Hyacinth, Water Fern, Shellflower, etc. (See pages 14, 15 and 19.)

FISH AND SCAVENGERS: 30 Goldfish as follows: 6 Young Giants, 12 Large Comets, 6 Extra-large Comets, 6 Extra-large Shubunkins, 1 Large Pool Scavenger Collection, 1 lb. Grassfork Goldfish Food.

A Complete Assortment for Large Pools, only.....\$27

FOR MEDIUM POOLS

(A Pool 6 x 10 feet, or 7 x 9, or 10 feet in diameter)

5 Water Lilies: Your choice of any one of the following three collections:

1. Hoosier Garden.
 2. Five Superb Hardy Lilies.
 3. Show Collection—Five Hardy Lilies illustrated on page 9.
 - 38 Aquatic Plants, to include: 10 plants suitable for centerpiece or background; 16 plants for corners or margins; 6 submerged plants; 6 floating plants.
 - 18 Fancy Fish, to include: 2 pairs Young Giants; 6 Extra-large Comets; 6 Extra-large Shubunkins; 1 pair Large Jap Fantails.
 - 40 of the Best Scavengers, to include: 12 Tadpoles; 6 Japanese Snails; 12 Black Ramshorn Snails; 2 Salamanders; 4 Green Frogs; 4 Clams.
 - 1 lb. carton Grassfork Goldfish Food.
- Complete.....\$18**

FOR POPULAR SIZED POOLS

(A Pool 6 by 7 feet, or 8 feet in diameter)

A Pool of the approximate dimensions given above is gaining favor with an increasing number of our customers each season.

WATER LILIES. Four Lilies, any one of the following Collections: Four Popular Hardy Lilies (see page 18), or Unexcelled Collec-



Plants and Ornamental Fishes

tion (see page 18), or Four Popular Tropical Lilies (see page 18).

30 **CHOICE AQUATIC PLANTS.** To include: 8 plants for corners or backgrounds; 16 plants for corners or margins, 3 floating plants, 3 submerged plants.

14 **BEAUTIFUL LARGE BREEDING FISH** to include 2 pair 8 inch to 9 inch Young Giant Goldfish, 6 Large 5 inch to 6 inch Comets, and 6 large 5 inch to 6 inch Calico Fish or Shubunkins.

22 of the best Scavengers.

1 lb. carton Grassfork Goldfish Food.

Collection Complete for Popular Sized Pool.....\$12

FOR SMALL POOLS

(A Pool 6 to 7 feet in diameter, or 4 x 6 feet, or 5 x 7 feet)

3 **WATER LILIES** to include: 1 Chromatella (best yellow, hardy); 1 Blue Beauty (ever blooming blue, tropical); 1 Pink Opal (deep pink, hardy).

23 **AQUATIC PLANTS** to include: 5 plants for centerpiece or background; 12 plants for corners or margins; 3 Floating Plants; 3 Submerged Plants.

16 **ORNAMENTAL FISH** to include: 12 Large Common Goldfish; 2 Japanese Fantails; 2 Shubunkins or Calico Fish.

22 **OF THE BEST SCAVENGERS** to include: 6 Japanese Snails; 6 Tadpoles; 6 Black Ramshorn Snails; 2 Green Frogs; 2 Salamanders.

FREE WITH EVERY ORDER OF \$10.00 OR MORE

The Garden Parlor

By K. F. TRIGGS

A perfect Garden Guide to planning, planting, selecting and caring for your yard. This splendid booklet discusses lawns, flowers, gardens, water gardens, rock gardens, shrubbery, trees—every consideration of modern American home beautification projects. Carefully written by a highly skilled specialist this booklet condenses into a time-saving 36 pages all the information needed for lawn and garden projects. Single copies 25 cents—postage paid.

1 lb. carton Grassfork Goldfish Food; 1 Fish Bucket.

Complete Collection.....\$8.75

BLUE RIBBON COLLECTION

This Collection will delight you. In color, number of flowers, sturdiness of varieties, and in price, it cannot be surpassed.

Capensis. (Dayflowering) Blue.

Chromatella. Yellow; hardy.

Eugenia de Land. Pink; hardy.

Frank Trelease. (Nightflowering) Red.

One of each, in Collection.....\$4.25

QUALITY FOUR

Chromatella.

Paul Hariot.

James Brydon.

Eugenia de Land.

Four Excellent Varieties, in Collection.....\$5.40

Our New Special "WORLD'S FAIR COLLECTION"

Consisting of, and describing, the pools of the Indiana State Exhibit at "The Century of Progress Exposition" (better known as the World's Fair). The Lilies, Plants and Fish in these Pools all were from The Hoosier Aquatic Gardens. The Collection below is a part of this wonderful assortment, consisting of seven Lilies:

Conqueror Chromatella Pink Opal Sultan W. B. Shaw Albida and Attraction

"World's Fair Collection"

All Only.....\$11.75

FOUR CHOICE DAYBLOOMING LILIES

Zanzibar Purple.

Mrs. George H. Pring—White.

General Pershing—Pink.

Blue Beauty—Blue.

One of each, in Collection.....\$6.75

A NILE GARDEN

Includes four plants which have grown in the still, shallow water along the banks of the Nile for ages. (See page 11.) A beautiful collection of age-old Water Garden plants.

Collection.....\$6.25

TRIO COLLECTIONS

Selected First Quality Lilies Outstanding Bargains

TRIO 1

Lucida, Albida, Rase Arey **\$4.00**

TRIO 2

Glariasa, Camanche, W. B. Shaw **4.75**

TRIO 3

Sunrise, Attraction, Marliac Rasea **6.00**

TRIO 4

Canquerar, Chromatella, Pink Opal **4.00**

TRIO 5

Sultan, Albida, James Brydon **5.50**

BEAUTY TRIO

Mrs. Edwards-Whitaker—Light blue.

Blue Beauty (Dayflowering)—Blue.

Panama-Pacific—Wine-Purple.

\$5.00

ZANZIBAR TRIO

Zanzibar Purple,

Zanzibar Blue,

Zanzibar Rase,

3.75

ROYAL TRIO

Oda Rasea—Pink; hardy.

Caerulea—Blue.

Chrysantha—Amber-yellow.

3.50

FIVE SUPERB HARDY WATER LILIES

Aurora—Red-orange.

William Doogue—Soft pink.

Chromatella—Yellow.

Attraction—Rich red.

Gladstone—White.

One of each, in Collection.....\$7.50

(Continued on page 18)



A handsome planting plan for popular and medium Pools is shown in this diagram. Our Pool Collections are chosen so that you can provide from 8 to 12 square feet of water surface for each Hardy or Tropical Lily. The larger-growing varieties will do better, producing larger and more abundant blossoms, if from 12 to 20 square feet of water surface are provided for each plant.

1 to 4 Water Lilies.

A—Water Taro, Arrowhead, Water Poppy.

B—Water Iris, Hedychium, Water Clover.

C—Sweet Flag, Water Willow, Parrots Feather.

D—Umbrella Palm, Water Plantain, Wild Calla.

E—Cattail, Paper Plant, Marsh Marigold.

F—Water Hyacinth, Water Lettuce or Shellflower, Water Fern.

"Grateful to you for this enjoyment of mine . . . Your plants and products are superb."—The Rev. John J. Gallagher, Newcastle, Ind., July 19, 1933.



Small Pools of informal design can be easily adapted to all manners of garden and lawn plans. This diagram shows a very satisfactory way of planting such pools, and collections much larger may well be planted after this fashion. The illustration shows our collection for small pools listed on page 17.

- 1, 2 and 3—Water Lilies.
 A—Cattail, Arrowhead, Water Poppy.
 B—Umbrella Palm, Pontederia, Forget-me-not.
 C—Water Iris, Parrots Feather, Umbrella Palm.
 D—Variegated Sweet Flag, Water Taro, Floating Heart.
 E—Paper Plant, Water Canna, Parrots Feather.
 F—Water Hyacinth, Water Lettuce or Shellflower, Water Fern.

Popular-Priced Pool Collections

TRIO OF FAVORED HARDY LILIES

Aurora—(Hardy) Amber-yellow.
 Alba candidissima—(Hardy) White.
 James Brydon—(Hardy) Red.
 One of each, in Collection.....\$3.60

TRIO OF TROPICAL LILIES

Zanzibar Rose—(Dayflowering).
 Juno—(Nightflowering) White.
 Capensis—(Dayflowering) Blue.
 One of each, in Collection.....\$4.25

BOUQUET COLLECTION

Mrs. Edwards-Whitaker—Light blue.
 Pennsylvania—Blue.
 Zanzibariensis—Purple.
 Stella Gurney—Pink.
 Gracilis—White.
 In Collection, five excellent varieties.....\$8

MARLIAC TRIO

(See Natural Color Photograph, page 12.)
 Marliac Red.
 Marliac Yellow.
 Marliac White.

In Collection.....\$2.75

FOUR POPULAR TROPICAL LILIES

Mrs. Edwards-Whitaker—Light blue.
 August Koch—Violet.
 Juno—(Nightflowering) White.
 Zanzibariensis rosea—Pink.

In Collection.....\$6

FOUR POPULAR HARDY LILIES

Marliacea albida—White.
 Sioux—Yellow-orange.

Pink Opal—Pink.
 James Brydon—Red.

In Collection.....\$5

HOOSIER GARDEN COLLECTION

Panama-Pacific.
 Mrs. Edwards-Whitaker.
 Frank Trelease.
 Rose Arey.
 Comanche.

One of each, in Collection.....\$7.25

ECONOMY TRIO

Our most favored Collection. Three Hardy Lilies suitable for Tubs, the Pool or natural plantings.

Collection of 3 varieties.....\$2.50

ELITE TRIO

Graziella. Pink Opal.
 W. B. Shaw.

One of each, in Collection.....\$2.75

UNEXCELLED COLLECTION

Four beautiful varieties—a Water Garden bouquet.

Purple Star. Paul Hariot.
 Marliac Rose. George Huster.

One of each, in Collection.....\$6

FIVE DAYBLOOMING LILIES

Five varieties which will provide a gorgeous display of color in the Water Garden.

Ernst Ludwig—(Dayflowering) Blue.
 Gladstone—(Hardy) White.
 Masaniello—(Hardy) Shell-pink.
 Gloriosa—(Hardy) Red.
 Gracilis Rosea—(Dayflowering) Pink.

One of each, in Collection.....\$8.50

AQUATIC PLANT COLLECTIONS

SMALL POOL COLLECTION—23 Choice Aquatic Plants, to include (our selection) 6 plants for centerpiece or background; 14 plants for corners or margins; 3 floating plants; 3 submerged plants.

Complete Collection.....\$3

POPULAR POOL COLLECTION—30 Choice Aquatic Plants, to include (our selection) 8 plants for centerpiece or background; 16 plants for corners or margins; 3 floating plants; 3 submerged plants.

Complete Collection.....\$4

MEDIUM POOL COLLECTION—38 Choice Aquatic Plants, to include (our selection) 10 plants for centerpiece or background; 16 plants for corners or margins; 6 submerged plants; 6 floating plants.

Complete Collection.....\$5

LARGE POOL COLLECTION—80 Choice Aquatic Plants to include (our selection) 32 plants suitable for corners or ledges, such as Taro, Arrowhead, Primrose Willow, Umbrella Palm, Parrots Feather, Forget-me-not, etc.; 36 submerged plants; 12 floating plants, such as Water Hyacinth, Water Fern, Shellflower, etc.

Complete Collection.....\$7.50

SPECIAL LARGE COLLECTION—92 Choice Aquatic Plants to include (our selection) 12 plants suitable for centerpiece or background; 32 plants suitable for corners or ledges; 36 submerged (oxygenating) plants; 12 floating plants.

This Big Collection, only.....\$10.00

"The fish received from you were beautiful and arrived in first class condition."—David G. Root, Corbin, Ky., May 13, 1933.

Bog and Marsh Plants: Perennials

FLOWERING and foliage plants which give a luxuriant, tropical effect to the pool. Plant on wet banks or in ledges or pockets made about the sides of the pool, which are kept wet but not flooded. Some do well as house plants in the winter if kept well watered.

CRINUM (*C. americanum*)—Delights in plenty of water. Bears its large, fragrant white flowers in umbels of six to eight. 35c each, \$1 for three.

FORGET-ME-NOT (*Myosotis palustris*)—See page 14.

GINGER or BUTTERFLY LILY (*Hedychium coronarium*)—In moist soil, makes good clumps 3 to 5 feet high, with garlands of sweet-scented, snow-white flowers. 35c each, \$1 for three.

YELLOW FLAG (*Iris pseudacorus*)—Attains a height of 4 feet in wet soil and makes a very attractive clump for the edge of the pool or in natural plantings. Hardy. 75c for three, \$2.50 per doz.

MARSH IRIS (*I. versicolor*)—Native to brook-sides and marshes. Bears light purple flowers very freely in spring and early summer. \$1 for five, \$2 per doz.

JAPANESE or WATER TARO (*C. antiquorum illustris*)—A moderate-growing variety with beautiful green foliage spotted with purplish black. 50c each, \$1.25 for three.

JAPANESE or WATER TARO (*Colocasia multiflora*)—A very beautiful ornamental foliage plant for the border in wet soil. Grows 2 to 4 feet high, with large, rich green leaves on purple stems. 75c each, \$2 for three.

CARDINAL FLOWER (*Lobelia cardinalis*)—Thrives in low, wet places but does equally well in drier, shady locations. Ideal for adding a touch of color at the base of taller-growing shrubbery. \$1 for five, \$2 per doz.

LARGE BLUE LOBELIA (*L. siphilitica*)—A native species with beautiful large blue flowers. \$1 for five, \$2 per doz.

PAPER PLANT, EGYPTIAN (*Cyperus papyrus antiquorum*)—Makes a very attractive clump when well cared for with good soil and plenty of water, giving a tropic effect to the pool. 50c each, \$1.25 for three.

PRIMROSE WILLOW (*Jussiaea longifolia*)—A desirable edging plant, 2 to 3 feet high, the slender branches drooping at the tip. Alternate flowers of a pretty golden yellow. 35c each, \$1 for three.

THALIA (*T. dealbata*)—A stately, marginal aquatic, attaining a height of 6 feet when well grown. Delights in shallow water or wet bank. Its powdery, canna-like foliage and elegant panicles of purple flowers make it a most desirable plant for the border. 50c each, \$1.25 for three.

UMBRELLA PALM (*Cyperus alternifolius*)—A decorative sedge doing well in any soil. Does very well in wet soil but will grow in a dry location. \$1 for three, \$3 per doz.

DWARF UMBRELLA PALM—Similar to Umbrella Palm but of Dwarf variety. \$1 for 3, \$3 per doz.

WATER CLOVER—A four-leaf clover, which forms a pleasing pattern on the surface and in crowded spots. 6 for 50c, \$1 per doz.

HEDYCHUM CHRYSOLEUCUM—Like Coronarium, but having light yellow flowers. \$1 for 3, \$3 per doz.

SPIDER LILY—A beautiful plant that produces clusters of spider-like, fragrant white flowers. \$1 for 3, \$3 per doz.

WATER MANNA GRASS (*Panicularia aquatica*)—A hardy, perennial grass suited to very low ground. Leaves narrow, striped white and green. 2 ft. 50c each, \$1.25 for three.

GREAT BULRUSH (*Scirpus lacustris*)—A very interesting rush 3 feet high. \$1 for three; \$2.50 per doz.

SPIRAL PALM—Similar in growth to the Umbrella Palm, but produces greenish white flowers. Plants from 3-inch pots. \$1 for three; \$2.50 per doz.

WATER PLANTAIN (*Alisma plantago-aquatica*)—A plant with heart-shaped leaves standing about a foot above the water, and spikes of white flowers. \$1 for three; \$2.50 per doz.

SWEET FLAG (*Acorus calamus*)—The well known Sweet Flag. \$1 for five; \$2 per doz.

CANNA FLACIDDA—An aquatic canna which grows about two feet tall and produces yellow flowers. It does well in shallow water. \$1 for three; \$2.50 per doz.

COLLECTION of 7 Bag and Marsh Plants\$2

COLLECTION of 15 Bag and Marsh Plants\$4

Most of the Perennials listed below are adapted to wet and very moist, well-drained soils. There are a number which will thrive equally well in moist or rather dry soils, and also a few preferring a dry location.

Single Varieties

\$1 for 4, \$2.50 per doz.

AQUILEGIA—There are no more fit subjects for the moist, well-drained border or rockery about the pool than the Columbines.

A. ALPINA (Alpine Columbine)—Large blue flowers.

A. CANADENSIS (American Columbine)—The native, bright red and yellow Columbine.

A. CHRYSANTHA (Golden Columbine)—Beautiful, long-spurred yellow flowers.

ACHILLEA PTARMICA, BOULE DE NEIGE (Yarrow)—Large heads of pure white flowers.

HARDY ASTERS

The hardy Asters are of comparatively easy culture and produce their flowers in great profusion.

ASTER NOVÆ-ANGLIÆ (New England Aster)—Clusters of bright violet-purple flowers.

A. NOVÆ-ANGLIÆ ROSEA—Purplish mauve flowers.

A. NOVI-BELGI, CLIMAX—Large spikes of light lavender-blue flowers. Very showy.

A. NOVI-BELGI, WHITE CLIMAX—A variety of Climax with white flowers.

A. NOVI-BELGI, ST. EGWIN—Flowers a soft rosy pink. Plant of bushy habit.

HIBISCUS—Thrives in any soil. Excellent for mass plantings. New, Hybrid Hibiscus; flowers of enormous size in three colors, white, pink, crimson.

IRIS SIBIRICA, ORIENTALIS—Yale blue; long, narrow foliage.

I. SIBIRICA, SNOW QUEEN—Pure white; free-growing.

LYTHRUM SALICARIA ROSEUM (Rose Loosestrife)—A choice new variety of rosy Loosestrife. Excellent for naturalizing.

MONARDA DIDYMA (Oswego Bee-balm)—Brilliant scarlet flowers. Excellent for bold effects.

THALICTRUM POLYGAMUM (Fall Meadow-rue)—Large heads of white flowers. Delights in wet places.

CHELONE GLABRA (White Turtlehead)—An attractive perennial for a very moist location; white flowers.

C. LYONI (Pink Turtlehead)—Purplish pink.

EUPATORIUM URTICÆFOLIUM—A late summer-flowering plant, bearing many small white flowers in heads.

E. CÆLESTINUM (Mist Flower)—A profusion of ageratum-blue flowers from August until frost.

HELENIUM AUTUMNALE SUPERBUM (Sneezewort)—An immense bouquet of golden yellow flowers.

H. AUTUMNALE RUBRUM—Rich orange-red flowers.

H., RIVERTON BEAUTY—Odd flowers having a purplish black cone in center against a background of rich lemon-yellow petals.

HEMEROCALLIS—Day Lilies. Particularly suited for plantings about the pool or any bit of water.

H., DR. REGEL—Flowers bell-shaped; chrome-yellow.

H. FULVA—Trumpet-shaped orange flowers, with tawny shadings.

H. THUNBERGI—Large yellow flowers; late.

H. MIDDENDORFI—Flowers in bright yellow clusters; medium height.

HARDY PERENNIALS

2 each of 5 varieties (10 plants).....	\$2.00
4 each of 5 varieties (20 plants).....	3.75
5 each of 7 varieties (35 plants).....	6.00
5 each of 10 varieties (50 plants).....	7.50

DWARF HARDY PERENNIALS

For the Paved Walk or Rockery

ALYSSUM ROSTRATUM—Yellow.

ARABIS (Rock Cress)—White.

CERASTIUM (Snow-in-Summer)—White.

DIANTHUS (Maiden Pink)—Red.

HEUCHERA SANGUINEA—Pink.

IBERIS SEMPERVIRENS—White.

IRIS CRISTATA—Blue.

IRIS VERNA—Blue.

LYSIMACHIA NUMMULARIA—Yellow.

MENTHA (Mint)—Purple.

MYOSOTIS (Forget-me-not)—Blue.

NEPETA—Blue.

PHLOX (Moss Pink)—White, Pink, and Lilac.

PRIMULA VERIS (Cowslip)—Yellow.

SAXIFRAGA VIRGINIENSIS—White.

SEDUM in variety

SILENE SCHAFTA—Rose-pink.

THYMUS VULGARIS—Purple.

VINCA MINOR (Periwinkle)—Blue.

VIOLAS—Blue and white.

(All Rock Plants, single varieties.
\$1 for five; \$2 per dozen.)

DWARF PERENNIALS AND ROCK PLANTS

2 each of 5 varieties (10 plants).....	\$2.00
4 each of 5 varieties (20 plants).....	3.75
5 each of 10 varieties (50 plants).....	7.50

The SHUBUNKIN is one of the most attractive Goldfish for the Water Garden because of its extreme variation of coloring in red, black and blue patches against a pearl background. Shubunkins often are scaleless, and no two fish are at all alike. The Colico Fontails listed in our Goldfish Collections are somewhat similar in appearance, but have the body formation of the Fontails.

Goldfish for Water Gardens,

WATER GARDENING can hardly reach its best development without Goldfish in the Pool, so much do they contribute to its beauty and interest, and to easy success of its maintenance as well. Almost any outdoor Pool gives suitable conditions for the fish to increase in size and also to reproduce. Goldfish fed occasionally at the edge of the Pool will soon be inclined to school and approach the visitor at the Pool border, bringing life and color to the whole scene that could be had in no other way. Goldfish in the Pool will destroy insects and their larvae.

With the tremendous resources of Grassyfork Fisheries, Inc.—the world's largest commercial Goldfish Hatcheries—at our command, Hoosier Aquatic Gardens is able to offer you the utmost economy in Collections of Goldfish for the Pool, and to supply any special orders. We invite special inquiries.

Be careful not to overfeed Goldfish. In large Pools they will not require any feed other than what they find naturally. In small Pools some special feeding may be desirable. But even in indoor Aquariums the danger is that the fish will be fed too much. We supply a variety of special fish foods suitable for all feeding requirements. (See page 30.)

Goldfish may well be left in the Pool over winter if the water is deep enough not to freeze solidly to the bottom. Break a hole or two in the ice occasionally to increase air in the water. If you keep an indoor Aquarium, seine out the best specimens from the Pool for your enjoyment throughout the winter.

If the Pool must be drained for the winter, fish not to be kept in an Aquarium can be stored in tubs or other containers in the basement. Here the water must be changed occasionally, or a trickle of running water provided, unless you can transfer some sagittaria, myriophyllum or other oxygenating plants with the fish and establish balanced Aquarium conditions in the storage tubs. The use of our Galva-Tank is recommended for winter care of fish taken from the Pool. (See page 11.)

If you are interested in raising Goldfish in the Pool, get them in before the spawning season in early May. Provide root clumps of floating plants (Water Hyacinths, etc., page 15) or bunches of submerged grasses tied together and allowed to float (see Milfoil, page 15) in which the eggs will be deposited. It is difficult to determine the sex of Goldfish, and a dozen or more should be placed in the Pool if breeding is desired.



Aquariums, Pools, Fountains

"Frankly, I have seen and bought Fantails in the stores of importers; I have bought them from importers on the Pacific Coast; I have seen them in private aquariums, and I have seen them in the great Metropolitan Public Aquariums, but never have I seen such specimens as those which you sent me, and those which you have on exhibit in the Indiana Building pool, in the Court of States, at A Century of Progress Exposition."—John S. Van Gilder, Knoxville, Tenn., October 20, 1933.

GOLDFISH COLLECTIONS

The following collection is representative of our Grassfork Goldfish at the Indiana State Exhibit at "A Century of Progress Exposition."

WORLD'S FAIR SPECIAL

- 6 Pair Jap Fantails (5-inch)
- 1 Pair Giant Goldfish (10-12-inch)
- 3 Pair Shubunkins (5-inch)
- 1 Pair Young Giants (7-9-inch)
- 1 Pair Jap Fantails (6-inch)
- 6 Pair Select Comets (6-inch)
- A \$22 Value for.....\$15

POOL ASSORTMENT No. 1

- 2 Pair Shubunkins (4-5-inch) \$2.00
- 2 Pair Jap Fans (4-inch) 1.50
- 1 Pair Red Telescopes.. (4-inch) 1.25
- 1 Pair Moors (4-inch) 1.50
- A dozen fancy fish that will add to the attractiveness of the most complete Pool.
- Collection Price, only\$4.75

POOL ASSORTMENT No. 2

- 3 Pair Jap Fantails (4-5-inch)
- 3 Pair Select Comets (5-6-inch)
- 1 Pair Young Giant Goldfish (7-9-inch)
- 1 Pair Shubunkins (4-5-inch)
- 16 Large Selected Goldfish.....\$4.50

POOL ASSORTMENT No. 3

- 6 Pair Selected Comets (3½-inch)
- 6 Pair Jap Fantails (3-inch)
- 6 Pair Shubunkins (3-4-inch)
- 36 Beautiful Goldfish \$5.50

FISH ASSORTMENT No. 2

- 3 Pair Jap Fantails (4-5-inch)
- 3 Pair Shubunkins (3-4-inch)
- 3 Pair Comets (4-5-inch)
- 3 Pair Chinese Telescopes (2½-inch)
- 24 Goldfish, only\$5.75

FISH ASSORTMENT No. 4

- 1 Pair Giant Goldfish (10-12-inch)
- 2 Pair Giant Fantails (7-8-inch)
- 1 Pair Black Chinese Moors (4-5-inch)
- 1 Pair Giant Comets (9-10-inch)
- 10 Giant Wonders for.....\$14.50

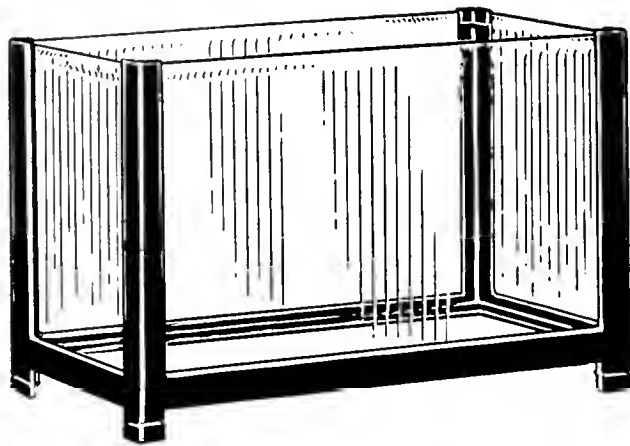
Goldfish must be shipped in cons. On small orders a charge of 50 cents is made for each can. Large cons are returnable by prepaid express at a cost of 20 cents a can. We ship Goldfish every day of the year. See instructions for receiving express shipments, page 2.

Upon receipt from shipping company, fishes should be given a salt bath; or better, use our Health Dip before placing them in the Pool or Aquarium. (See page 30.)

The COMETS are the speedsters of the Goldfish, their slender bodies and long, powerful fins making them extremely rapid swimmers. Fin developments vary considerably, and the so-called Ribbontails are Comet Goldfish with unusually deep cleft tail fins. The illustration gives a photographically correct interpretation of variations occurring, both as to fin developments and coloring, in the shipments our customers receive.



Aquariums and Supplies for Indoor



STYLE 200 AQUARIUM—This new popular-priced Aquarium has a steel frame without top members, the corner posts clamping the bulb-edge glass sides in place. Frame finish blue-black and green.

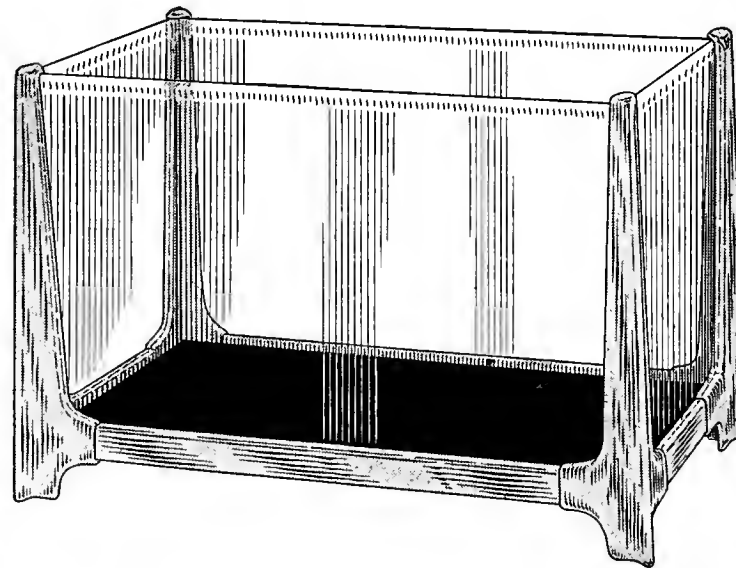
AN AQUARIUM soon becomes indispensable to the Water Gardener, for he will wish to preserve some of the beauties of his garden indoors throughout the winter in a suitable Aquarium. We are able to supply you the famous products of Grassfork Fisheries, and those enthusiasts who desire a large Aquarium where an abundance of fish and Water Plants may be supported the whole year round can find a very attractive range of special selections through us. Special inquiries for such orders are solicited.

A safe rule for stocking the Aquarium with Goldfish is to have not more than *two inches of body length* for each gallon of water. Thus two very small fish each one-inch long (exclusive of the tail fin) will require one gallon of water, and one four-inch fish will require two gallons of water. Select your Aquarium first of all to provide for your desires as to the number and size of fish to be kept.

The Aquariums illustrated on this page provide a wide range of sizes and qualities for your selection. We carry the largest stock of Aquariums and Aquarium Supplies in the country and will be pleased to answer any inquiries. (See pages 30 and 31.) Descriptive folder sent on request.



STYLE 911 DISPLAY AQUARIUM
with 451½-E Ornamental Stand.



STYLE 900 CAST ALUMINUM FRAME AQUARIUM—The cast aluminum Aquarium illustrated above is a beautifully designed and sturdy frame, without a top frame, the glass side pieces being bulb-edge glass with smooth strong edges.

PRICES OF AQUARIUMS

Style 100—Steel Frame Aquarium.

Green finish. With or without footings. Specify choice on orders.

No. 101—10x 6 x 7; 2-gal.	\$1.00
No. 102—12x 7 x 7; 3-gal.	1.50
No. 103—14x 8 x10; 5-gal.	2.50
No. 104—16x 9½x10; 6-gal.	3.00
No. 105—18x 9 x12; 8-gal.	4.00
No. 106—18x11 x12; 11-gal.	5.00
No. 107—22x11 x13; 14-gal.	6.00

The above Aquariums are also furnished chromium plated at additional charges of \$0.55, \$0.65, \$0.75, \$1.00, \$1.10, \$1.15 and \$1.25 each in the order shown above.

Style 140—Steel Frame Aquarium.

Green lacquer finish. With or without footings. Specify choice on order.

No. 142—16x5¾x11; 4-gal.	\$2.00
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Style 150—Window Ledge Aquariums.

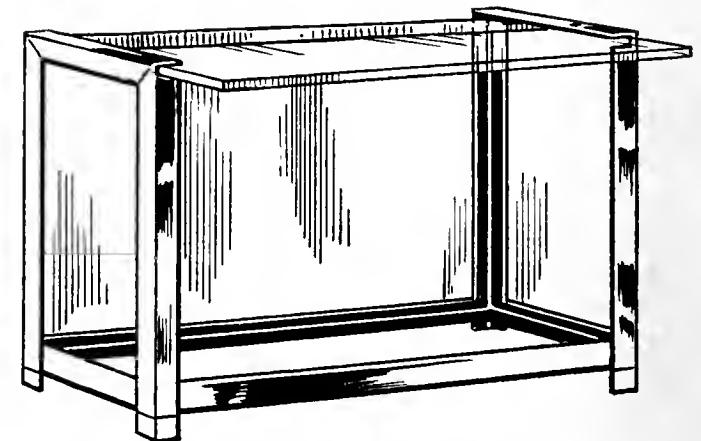
Steel Frame, Green Lacquered, Slate Base.

No. 153—30x8x10½; 10-gal.	\$5.50
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Style 200—Metal Frame Aquariums.

(Additional sizes made to order.)

No. 201—10x6 x 7; 2 -gal.	\$1.25
No. 202—12x7 x 7; 3 -gal.	2.00



STYLE 313-A COVERED AQUARIUM—This attractive chromium-plated frame is cleverly devised to hold a sliding glass top and makes the aquarium ideal for Tropical Fish. The sides have smooth bulb-edge glass.

Displays of Ornamental Fish

No. 203—14x8 x10; 5 -gal. 3.00
 No. 204—16x9½x10; 6.5-gal. 3.50
 The above Aquariums also supplied in aluminum or chromium plate finish. Prices on request.

Style 200-A—Covered Aquariums.
 (We will gladly quote on other sizes on request.)

No. 201-A—10x6 x 7; 1.8-gal. \$1.50
 No. 202-A—12x7 x 7; 2.5-gal. 2.25
 No. 203-A—14x8 x10; 4.8-gal. 3.50
 No. 204-A—16x9½x10; 6.5-gal. 4.00

The above Aquariums are also supplied in aluminum and chromium plate finishes. Prices on request.

Style 313-A—Covered Aquariums.
 With Chromium-plated Frame and Sliding Gloss Cover for Tropical Fish.
 No. 313-A—14x8x10; 5-gal. \$4.50

Style 420—Angle Iron Frame.
 Green Locquer Finish.
 No. 420—22x13x14; 17-gal. \$7.50

Style 420-A—Angle Iron Frame.
 Chromium-plated.
 No. 420-A—22x13x14; 17-gal. \$11.00

Style 850—All Glass Aquariums.
 No. 801-A—12 x 9 x 9 ; 4 -gal. \$3.65
 No. 853 — 9¾x 7 x 7¼; 2 -gal. 1.95
 No. 854 — 9¾x 6¾x 8½; 2½-gal. 2.35
 No. 855 — 11¾x 7¾x 9½; 3 -gal. 2.95
 No. 856 — 14¾x 9½x10 ; 5 -gal. 4.25
 No. 857 — 16½x11 x11 ; 7 -gal. 5.50

Style 900—Beautiful, Polished Cast Aluminum Frame, Extra Heavy Bulb Edge Gloss. In Four Sizes.
 No. 901—12x 7x 8; 3-gal.
 Aquarium only, \$6; with S-19 stand, \$11

No. 902—16x 9x10; 6-gal.
 Aquarium only, \$8; with S-20 stand, \$14
 No. 903—20x11x12; 11-gal.
 Aquarium only, \$12; with S-21 stand, \$20
 No. 911—30x14x16; 30-gal.
 Aquarium only \$30
 With special ornamental heavy iron stand \$50

Style 940—Polished Aluminum Frame Aquarium.
 With Riveted Corner Braces.

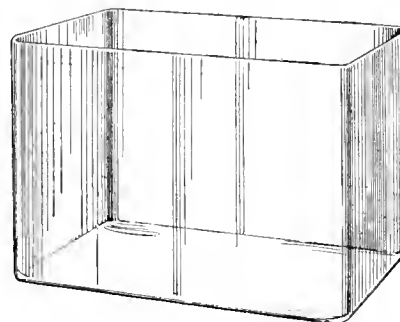
No. 947—22x13x14; 17-gal. \$10.50

Style 950—Window Ledge Aquarium.
 Aluminum Frame, Polished, Extended Slope Base.

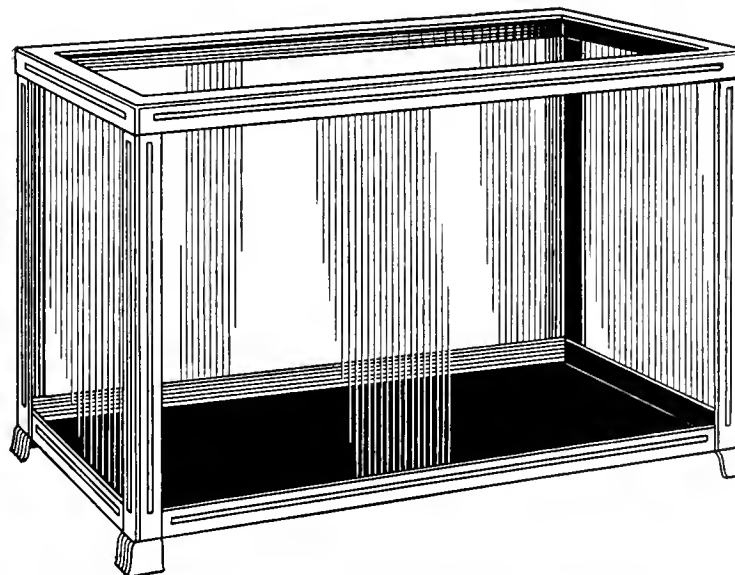
No. 953—30x8x10½; 10-gal. \$7.50

Style 960—Aluminum Frame Aquarium.
 With or Without Footings. Specify choice on order.

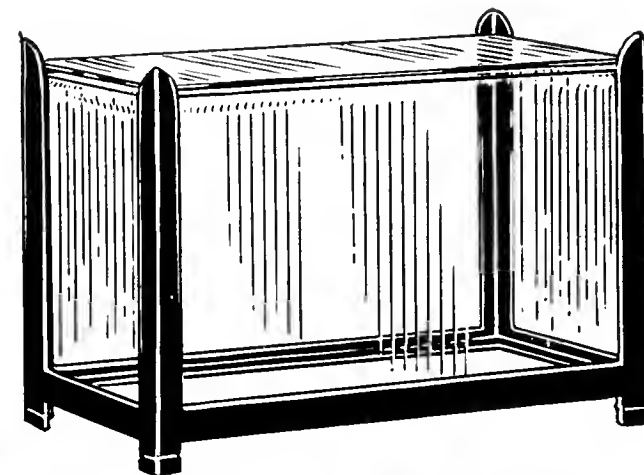
No. 961—10x 6 x 7; 2-gal. \$1.25
 No. 962—12x 7 x 7; 3-gal. 2.00
 No. 963—14x 8 x10; 5-gal. 3.00
 No. 964—16x 9½x10; 6-gal. 3.50



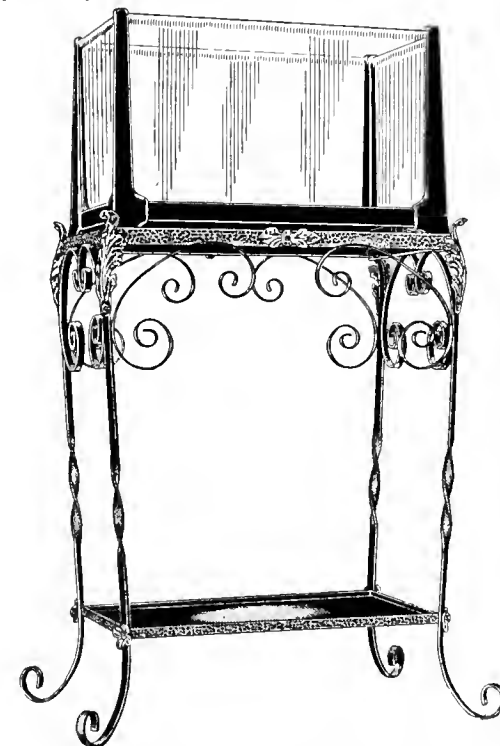
STYLE 850 ALL-GLASS AQUARIUM—An all-glass Aquarium is superior in appearance under some conditions to any framed Aquarium, however attractive in design. We supply this crystal-glass, one-piece Aquarium in six sizes up to seven gallons capacity.



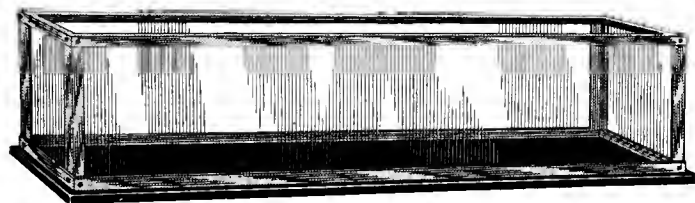
STYLE 100 AQUARIUM—The Aquarium shown above is the economical welded steel-frame type, the frame finished in green, the crystal glass sides set in a special leak-proof cement. We supply this cement in convenient home-size packages for repair of breakages or other damage. (See page 31.)



STYLE 200-A AQUARIUM—This Aquarium of the same design and finish as Style 200 has special corner posts which hold in place a glass cover, making it ideal for Tropical Toy Fish.



AQUARIUM AND FLOOR STAND—We supply many styles of floor stands for Aquariums, one of the most popular being the Style S-21 illustrated. This is in three sizes, Style S-19 for the 901 (3-gallon), Style S-20 for 902 (6-gallon) and Style S-21 for 903 (11-gallon) aluminum frame Aquariums.



WINDOW LEDGE AQUARIUM—Window Ledge Aquariums are especially suitable for many interiors and the style illustrated above will fit nicely in almost any window. We supply this style with either a welded steel frame (No. 150) or a polished angle aluminum frame (No. 950).

The FANTAILS are among the most attractive of Goldfish for the Water Garden, their slow, graceful swimming motions displaying the beauty of their elaborate fin developments. Japanese Fantails are those of short, plump bodies, and the American Fantails have body developments more nearly like the Common Goldfish—longer and flatter than the Japanese. Japanese Nymphs resemble the Fantails below in body shape, with less fin development.



..... Popular Priced Collections of

COLLECTION OF YOUNG GIANTS

- 2 Pair (7-9-inch) Young Giant Goldfish \$3.00
- 2 Pair (6-7-inch) Extra Large Comets.... 3.00
- 2 Pair (6-inch) Extra Large Shubunkins 4.00

Develop the big ones yourself.

Collection Price, only \$7.50

UNIQUE COLLECTION

- 2 Pair (7- 9-inch) Young Giants\$3.00
- 1 Pair (10-12-inch) Giants 3.00
- 2 Pair (6- 7-inch) Extra Large Comets 3.00
- 2 Pair (6-inch) Extra-Large Shubunkins 4.00

Fourteen beautiful, active fish for the medium large Pool or fountain basin.

Collection Price, only \$10.50

HARDY COLLECTION

- 3 Pair Comets (5-inch).....\$2.25
- 6 Pair Common (5-inch) 2.00
- 2 Pair Shubunkins (5-inch) 2.00

A good collection of hardy, active fish for the smaller pool.

Collection Price, only \$5.25

COLLECTION OF GIANTS FOR FOUNTAIN BASIN OR LARGE POOL

- 2 Pair (10-12-inch) Giant Goldfish\$6.00
- 1 Pair (10-12-inch) Giant Orioles 4.00
- 1 Pair (10-12-inch) Giant Pearls 4.00
- 1 Pair (10-12-inch) Giant Comets 4.00

These ten fish will make an impressive display. You will be proud to own them.

Collection Price, only \$12.50

FOR THE SMALL POOL

- 2 Pair Jap Fans (4-inch)\$1.50
- 2 Pair Jap Nymphs (4-inch) 1.00
- 4 Pair Comets (3½-inch) 1.20

Sixteen fancy fish suitable for the Small Pool or Aquarium.

Collection Price, only \$3.00

GOLDFISH LIST

Select Common Goldfish

A first-class strain, exceptionally active and brilliantly colored. Unequaled for Pools or large ponds.

- 4-inch \$1.50 per doz.; \$10 per 100
- 5-inch \$2.00 per doz.; \$15 per 100
- 6-inch 50c per pr.; \$2.50 per doz.

Shubunkins

A single tail variety of recent introduction. Beautifully colored in red, blue and black against a pearl background. Unusual and very striking. Excellent for Pool or Aquarium.

- 3-inch \$1.50 per doz.
- 4-inch \$2.50 per doz.
- 5-inch \$1 per pr.; \$3.50 per doz.

Young Giants

Strong, hardy, well-colored Giant Goldfish of medium development, ranging in size from 7 to 9 inches. Excellent for spawning.

Price \$1.50 per pair; \$7.50 per dozen

Japanese Nymphs

Gold, black and white coloring. Very short egg-shaped bodies with large fins and broad tails. Active.

- 3-inch \$1.75 per doz.
- 4-inch \$3.00 per doz.
- 5-inch 75c per pr.

Selected Comets

Similar to Common Goldfish, but with more slender bodies, longer tail and fin development, and much greater rapidity of movement.

- 3½-inch \$1.75 per doz.
- 5-inch 75c per pr.; \$3.50 per doz.
- 6-inch \$1.00 per pr.; \$5 per doz.

Chinese Red Telescopes

Like the "Chinese Moors," except that these fish are red in color.

- 2½-inch 75c per pr.; \$3.50 per doz.
- 3-4-inch \$1.25 per pr.; \$6.25 per doz.
- 4-5-inch \$2.00 per pr.

Goldfish for Pools and Aquariums

Japanese Fantails

A beautiful variety, with red-gold body, marked with black or white. The tail is double and spread fanlike, hence the name.

3-inch..... \$2 per doz.
4-inch..... 75c per pr.; \$3.50 per doz.
5-inch..... \$1.00 per pr.; \$5 per doz.

Chinese Moors

A unique and exotic fish with large, protruding "telescopic" eyes, short, plump bodies and fan-like tails. Color, a dense, velvety black.

2 1/2-inch..... \$1.00 per pr.; \$4 per doz.
3-4-inch..... \$1.50 per pr.; \$7.50 per doz.
4-5-inch..... \$2.50 per pr.

Giant Shubunkins

For a unique display in the larger Pool, Giant Shubunkins, 8 inches.

\$5 per pair
\$25 per dozen

Large Japanese Fantails

Something different and just a little better. 6 inches.

\$3 per pair
\$15 per dozen

Giant Japanese Fantails

For an exceptional display of Goldfish, there is nothing finer. 8 inches.

\$5 per pair
\$25 per dozen

Extra Large Comets

These Comets are 6-7 inches in length.

\$1.50 per pair
\$7 per dozen

Extra Large Shubunkins

All the colors of the rainbow. Be sure to include a few of these 6-inch Shubunkins in your Pool Collection of fishes.

\$2 per pair

Giant Goldfish

These fish are selected breeding stock. Just the thing for the larger Pool. Exceptionally hardy and beautifully colored.

10-12-inch..... \$3 per pr.; \$15 per doz.

Calico Fantails

Beautifully colored like the Shubunkins, but having the divided or "fan" tail.

2 1/2-inch..... \$1.00 per pr.; \$4 per doz.
4-inch..... \$1.50 per pr.
5-inch..... \$2.50 per pr.

Calico Telescopes

Like the Calico Fantails; having in addition the large, protruding "telescope" eyes.

2 1/2-inch..... \$1.00 per pr.; \$4 per doz.
4-inch..... \$1.50 per pr.
5-inch..... \$2.50 per pr.

Giant Comets

Long, slender bodies, very active.

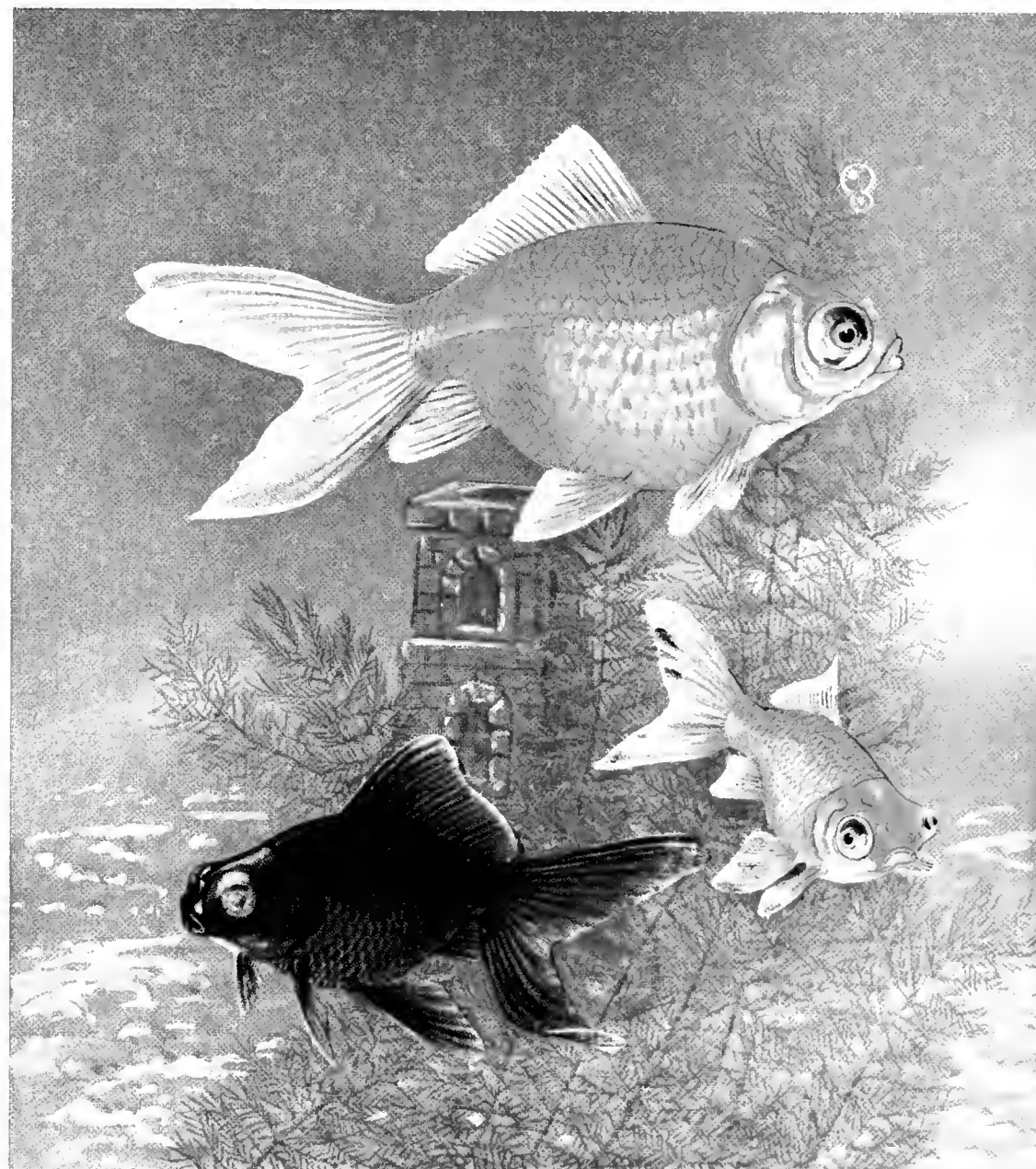
10-inch..... \$3 per pr.; \$15 per doz.
12-inch..... \$4 per pr.; \$20 per doz.

With every shipment of fish we send a pamphlet giving detailed instructions for their care and feeding, and for care in winter. Be sure to read the shipping instructions and terms on page 2, so that your order will be clear to us and you will be able to handle the fish shipment satisfactorily upon its arrival.

"I wish to express my sincere appreciation of the order of Goldfish received from you. I am very well pleased, and will be glad to recommend you to anyone interested in water gardening."—Ralph E. Burdick, McConnelsville, Ohio, June 20, 1933.

"Fish came today, all alive in excellent condition—wonderful."—H. C. Redman, Moore, Montana, May 24, 1933.

CHINESE TELESCOPES and CHINESE MOORS lend variety and interest to any Goldfish group. The Telescopes are so-called because of their oddly protruding eyes. Body and fin developments range between the Fantails and the Nymphs. Moors might well be described briefly as velvety black Telescopes, their body and fin developments being quite as striking usually as the finest Fantails. Their dense, velvety black color is a striking contrast to other fish in Pool or Aquarium.



Descriptions of Toy Tropical Fishes

BUBBLE-NEST BUILDERS

NUMEROUS families of the Toy Tropical Fishes have the interesting and remarkable habit of building nests of bubbles for protecting and hatching the eggs. Males build these nests, having unusual breathing organs with which they can draw in air at the surface of the water. A mouthful of air carried below surface is coated with a secretion and released as a bubble, hundreds of them joining loosely to form the floating nest to which the eggs adhere. The males guard the nests, repairing them with more bubbles if some break, and even driving the females away as soon as spawning is completed and sometimes killing them if they do not leave readily.

THE GOURAMIS—Popular among the Bubble-Nest Builders are the Gouramis, which are not moved to build their nests until the water reaches a temperature of 75 degrees Fahrenheit. When the tiny fry begin to wiggle, the male, who has guarded the nest so faithfully, must be removed if the fry are to survive, for he will quickly eat them all. If there is sufficient protection for them by having the aquarium well planted, some will manage to hide and escape from the voracious father.

The **DWARF GOURAMI** (*Colisa lalia*) is the most brilliant of the family, the male having a blue body marked with vertical bars of orange-red.

The **CROAKING GOURAMI** (*Ctenops vittatus*) gains its popular name because of its croaking when removed from the water. It is gray-green marked with gold.

The **SPOTTED** (or Three-Spot) **GOURAMI** (*Trichogaster trichopterus*) is distinguished by strong spots along the center line of the body, otherwise being quite like the Croaking Gourami in coloration.

THE FIGHTING FISHES—The vicious habits of the male Bubble-Nest Builders reach their height in the Bettas, which in Siam are cultivated as fighting fishes with large sums staked on the outcome of their combats. At sight of each other, two male Bettas will undergo changes of color through shades of green, red, purple and blue, and finally give battle which rages viciously until one quits. Occasionally the combat terminates fatally for the loser. A male confined by himself will show intense excitement when a mirror is placed against the side of the Aquarium.

BETTA CAMBODIA is a fairly recent addition to American Aquarium fish, and is the largest of the Bettas. Its big, flowing fins are scarlet, and the body flesh colored.

BETTA SPLENDENS and **RUBRA** is the most popular for the fights of the Orient, and is distinguished from Cambodia by the prismatic coloration of the body.

CORNFLOWER BLUE or **BLUE BETTA** (*Betta Cyana*) is one of the intermediate forms produced by breeding Cambodia with Splendens, the body and fins being of one solid color. **GREEN BETTA** (*Betta Smaradgreen*) is another of the forms produced by crossing the Cambodia and Splendens, having one solid green color through body and fins.

The **PARADISE FISH** (*Macropodus viridauratus*) comes from the swampy rice fields of Africa and southeastern Asia, with dashing colors and one of the most quarrelsome natures of all the Bubble-Nest Builders. Few Tropical Toy Fishes withstand such wide changes of temperature, Paradise Fish having survived water nearly freezing and showing little discomfort at 90 degrees Fahrenheit if the changes are not too sudden. It is for this reason rather well suited to the Water Garden Pool. The male sometimes measures more than three inches in length, and not even females can be trusted with him except when spawning. Placing a mate in his Aquarium, or even feeding him, will bring evidences of great excitement accompanied by rapid changes of color through a wide range of splendid hues.

	Per Pair	6 Only (3 Pair)	Per Doz. (6 Pair)
Dwarf Gourami.....	\$2.00	\$5.00	\$8.00
Three-spot or Spotted			
Gaurami	1.75	4.50	7.00
Croaking Gourami	2.00	5.00	8.00
Paradise Fish	1.00	2.50	4.00
Betta Cambodia	1.50	4.00	6.00
Cornflower Blue ar			
Blue Betto	1.50	4.00	6.00
Green Betta	1.50	4.00	6.00
Betta Splendens and			
Rubra	1.50	4.00	6.00

LIVE BEARING VARIETIES

The **PLATYS** or **MOONS** (*Platy poecilus maculatus*) are imported from South America and Mexico, and there are half a dozen or more varieties of this popular aquarium fish. The Gold Moon is said to have originated in American aquariums, and members of this species are extremely popular because of their rich coloration and hardihood in aquarium life. The Black Moons, Red Moons, and Blue Moons are all suitable aquarium fish, and live peacefully among themselves and with other varieties. Eighteen to twenty young are produced in each brood, and a curious fact of the viviparous or live bearing fishes generally is found in this variety, the females remaining fertile until four weeks may elapse between them. The Moons all attain a maximum length of one and a half inches.

	Per Pair	6 Only (3 Pair)	Per Doz. (6 Pair)
Gold Plotys or Moons.....	\$1.00	\$2.50	\$4.00
Black Platys or Moons.....	1.00	2.50	4.00
Pure Red Plotys or Moons....	1.00	2.50	4.00
Blue or Green Mirror Platys			
or Moons	1.00	2.50	4.00

HELLERI or **SWORDTAILS** are most commonly seen in the variety known as the Mexican Swordtail (*Xiphophorus helleri*) which is just about as popular among aquarists as any

Toy Tropical Fish. Part of the caudal or tail fin of the male is elongated into a sword like appendage, highly colored and ornamented, from which they derive their names. The female is not only twice the size of the male, but also richly colored. Very old females take on some of the characteristics of the male and often develop the sword-like tail also. Variations of the Mexican Swordtail that are popular in aquariums are the **RED HELLERI**, which is really a cross with the Red Moon or Red Platys, a green and blue-black hybrid with shimmering, satiny scales. Another interesting hybrid of *Helleri* is the **Black Helleri**, whose black scales are varied with blue scales on the head and a vivid yellow eye.

	Per Pair	6 Only (3 Pair)	Per Doz. (6 Pair)
Mexican Swordtails	\$1.00	\$2.50	\$4.00
Block Helleri	2.00	5.00	8.00
Red Helleri	2.00	5.00	8.00

GUPPIES or **RAINBOW FISH** (*Lebistes reticulatus*) derives its popular name from a scientific name given it by an early zoologist, though its earlier zoological name survives. In its native waters around Trinidad, the Barbados and Venezuela, it is known as "the million fish" because of its great fecundity, and the brilliant coloring of the males have given it its more general popular name of "the Rainbow Fish."

SAILFINS (*Mollienisia latipinna*) in their brilliant liveries of silver and black, are native to the waters from northern Mexico through Texas and the Carolinas, and are at home in either fresh or brackish waters. They reach lengths of nearly four inches. A very interesting hybrid of the species is the *Black Mollienisia* (Sphenops var.).

The Balanced Aquarium

THE TERM "balanced" is used to describe that condition in an Aquarium wherein the activities and functions of the fish are equaled by those of the plants. The Aquarium should be well planted, as the plants give off oxygen in sunlight or in good, strong light, and take in carbon dioxide which the fish exhale. Properly arranged, an Aquarium for either Goldfish or Tropical Fish need not have the water changed. Allow twenty square inches of water surface per inch of fish body for Goldfish, or two inches of body per gallon of water. When more Goldfish are kept, some water

should be dipped out when they gasp at the top, and fresh, cool water added. In small Aquariums the water should be changed quite often, depending on the number and size of the Goldfish.

Tropical Fishes will do well even when crowded. They are native to warm waters wherein the oxygen content is usually very low. They therefore require little oxygen. However, their tanks should be well planted to provide a hiding place for the young. When well balanced, the water in the Aquarium need never be changed. Add for evaporation only in

SPOTTED MOLLINIENISIA (Black Spotted Mollienisia). In breeding types of the Black Mollienisia some fish remain "spotted" longer than others; a certain per cent never turning entirely "black." The purchase of a few pairs of these Spotted Mollies affords an excellent opportunity to develop some valuable all-black specimens, at a very modest cost, when these fish mature.

MOSQUITO FISH (*Heterandria formosa*) are great destroyers of misquitos and sometimes bear the name Mosquito Fish, also. They are among the tiniest of the known vertebrates, the females seldom exceeding one inch in body length, the males about three-fourths of an inch at their largest.

	6 Only	Per Doz.
Per Pair	(3 Pair)	(6 Pair)
Suppies or Rainbow Fish.....	\$0.25	\$0.65 \$1.25
Sailfins .....	.75	2.00 3.50
Spotted Mallienisia	1.50	4.00 6.00
Black Mallienisia	4.00	10.00 18.00
Masquita Fish .....	.35	.85 2.00

EGG-LAYING VARIETIES THE CICHLIDS

ANGEL FISH or **SCALARE** (*Pterophyllum scalare*): This aristocrat of the pygmies is a native of South American rivers and is characterized by a grave and dignified bearing. It is sometimes called the fresh-water Angel Fish. The ground color is silver touched with yellow, and its name scalare (from scalaris, a ladder) comes from the strong, even banding of body and fins. Half-Moons, a name derived from the

..... Their Habits in Pools and Aquariums

shapes of the fins, subsist on small floating plants, Daphniae and prepared fish foods.

	6 Only	Per Doz.
Per Pair	(3 Pair)	(6 Pair)
Pterophyllum Scalare (Angel Fish)	\$2.00	\$5.00 \$8.00
Selected Angel Fish (Extra Large)	4.00	10.00 18.00

THE CHARACIN FISHES

TETRA VON RIO (*Hyphessobrycon flammeus*) is one of a species of Toy Tropical Fishes which shows such numerous variations that they have puzzled ichthyologists attempting to classify them. Natives of Mexican and Central American waters, little is as yet known of their habits. Even the number of scales and fin rays vary greatly in different varieties, and other singular changes occur with age, sex, season, food and water temperatures. All of them are distinguished, however, by a unique adipose fin, a tiny additional dorsal fin near the tail, which is always present.

TETRA VON BUENOS AIRES (*Hemigrammus caudovittatus*) is another of the Tetras, of a greenish color with red fins.

COPPER SPOT TETRA (*Hemigrammus ocellifer*) is distinguished by a copper spot at the base of the spine.

The **SILVER TETRA** (*Ctenobrycon spilurus*) is a hardy species, native to the rivers of Dutch Guiana, Paraguay, the Amazon River and other

South American waters, and is an ideal aquarium fish. The young sometimes number 500 at a single spawning, and make rapid growth after the first two weeks. Both sexes have a golden iris flecked with red, and an iridescent body marked with blue.

PRISTELLA (*Pristella riddlei*), native to the waters of British Guiana and some other South American rivers, has a short, deep body and is of variable coloration. The young of Pristella are rather difficult to rear in aquariums, surviving only in quite shallow water.

BLOOD FIN (*Aphyocharax rubripinnis*) has silvery pearl scales and blood red fins.

	6 Only	Per Doz.
Per Pair	(3 Pair)	(6 Pair)
Tetra Van Ria	\$1.00	\$2.50 \$4.00
Ctenabrycan Spilurus	1.00	2.50 4.00
Tetra Van Buenos Aires	1.00	2.50 4.00
Pristella Riddlei	2.00	5.00 8.00
Copper Spot Tetra	2.00	5.00 8.00
Blood Fin	2.00	5.00 8.00

THE CYPRINODONTIDAE

The Cyprinodont pygmies are principally derived from natives of India and Africa, and present many variations as they are produced for the pleasure of the home aquarium or garden pool.

GOLDEN FUNDULUS (*Fundulus Chrysotis*). A beautiful native tropical-color tones, a warm olive green overlaid with irregular, iridescent, golden spots.

FUNDULUS NOTTI (*Florida Zelua Fish*). A most desirable aquarium fish native to our Southeastern states. Hardy and of mild temperament.

FUNDULUS HETEROCLITUS—One of our most popular native killifishes suitable for aquarium use. Very hardy; easy to keep. A beautiful iridescent body with alternating light and dark bands.

MEDEKA (*Orizias latipes*). A hardy, peaceable semi-tropical fish with golden, almost transparent, body. One of the easiest of the egg laying fishes to breed. Will take any prepared food.

	6 Only	Per Doz.
Per Pair	(3 pair)	(6 Pair)
Fundulus Chrysotis	\$0.75	\$2.00 \$3.50
Fundulus Natti .....	.75	2.00 3.50
Fundulus Heteraclitus .....	.75	2.00 3.50
Medeka .....	.35	.85 2.00

DANIOS are among the favorite aquarium fishes of the Toy Tropicals, occurring in several well marked varieties.

The **SPOTTED DANIO** (*Brachydanio Anali-punctatus*). More strikingly attractive than the rerio and just as hardy. Two dark blue stripes separated by a golden line running the entire length of the body. Numerous dark blue dots cover the lower body and fins. The so-called **ZEBRA FISH** (*Brachydanio Rerio*) gets its popular name from its zebra-like stripings extending from the gills through the caudal or tail fins. It is the smallest of the Danios, averaging about one and one-half inches in body length. **Danio Malabaricus**, often called the **GIANT DANIO**, is the largest of the variety, often attaining a length of three inches. It is considered by most aquarists the most beautiful of the Danios, having a blue body with lateral stripes of salmon-yellow. **Diano albolineatus**, popularly called the **PEARL DANIO**, is a beautiful aquarium species of this variety with iridescent mother of pearl and opal coloration.

THE BARBS, like many other varieties of Toy Tropical Fishes, occur in several species, the fry of all of which are quite easily reared in the aquarium. The variety is native to the waters of India. The Barbs live peacefully among themselves and with other fish. The **ROSY BARB** (*Barbus Conchonus*) is largest of the Barbs, all of which are distinguished by their large scales. **Barbus Oligolepis** with red and silver markings and fins bordered with black is so iridescent that it is sometimes called the **IRIDESCENT BARB**, though variations in its coloring are toward gray-greens and grass-greens, so that it is sometimes called the **Green Barb**, also **Barbus Semifasciatus**. **STRIPED BARB** is a striped member of this variety.

	6 Only	Per Doz.
Per Pair	(3 Pair)	(6 Pair)
Spatted Dania	\$1.50	\$4.00 \$6.00
Zebra Fish .....	.75	2.00 3.50
Pearl Dania	1.00	2.50 4.00
Giant Dania	1.50	4.00 6.00
Iridescent Barb	1.50	4.00 6.00
Rosy Barb .....	.75	2.00 3.50
Striped Barb	1.00	2.50 4.00

balanced Goldfish tanks and in all Tropical tanks.

Scavengers should be introduced into every Aquarium. Snails are particularly useful in keeping the water and glass clear. They will also help to keep any fish food that may have fallen on the bottom cleaned up.

Should the water tend to become green, cut down the amount of direct light or sunlight the Aquarium gets each day. Very often a green condition will clear up of its own accord in a few days. This is the most desirable way to get rid of it, as it is likely to be a considerable period before that Aquarium will again become green; whereas those tanks cleared chemically or by flooding soon become green again.

FEEDING—This is an important matter for all types of fish kept in the Aquarium. We list several fish foods (see page 30), all tested by us and used for feeding our own stock. We suggest their use. Feed Goldfish every other day about as much as they will take in five minutes. If you would keep Goldfish in good condition, feed sparingly.

Feed adult Tropical Fish once a day about as much as they will eat in ten minutes. Avoid excess. Baby Tropicals should be fed two or three times a day. For the former, use our Tropic Food No. 1, for the young fish our Tropic Food No. 2. (See page 30.)

Be sure to remove all food that settles to the bottom of the Aquarium, as this decaying food will sour the water.

These popular Tropical Toy Fishes are illustrated in pairs as they appear when well lighted so that their brilliant colors are revealed. This illustration represents our IDEAL COLLECTION.

GIANT DANIO

TETRA VON RIO

COPPER-SPOT TETRA

ROSY BARB

RED PLATY

Toy Tropical Fish for Water

EXPLORATION of the waters of the world has in the last few decades brought discoveries of many tiny, colorful fish, chiefly from tropical waters, that can be reared in pools and aquariums. Amazing, brilliant coloring; body shapes from the beautiful to the fantastic; and living habits of never-ending variety and interest which seem to illustrate in vivid detail many of the characteristic moods and behaviors of human beings, make these brilliant, astonishing creatures commonly known as Tropical Fish the most fascinating specialties for the water gardener and aquarist. More than 600 varieties of pool and aquarium pygmies are known to the zoologist. We supply half a hundred of the most interesting and ornamental of this enormous selection, and attempt to illustrate most of them in these pages. It is difficult to put upon paper by any process the colorations of these amazing creatures, and impossible to represent the sheen and iridescence common to them all.

Most of the Tropical Fish require water temperatures of 70 to 80 degrees. Some of them can be kept in the outdoor pool only during the hottest season; and the aquarist may well find it necessary to supply a source of heating even for

the indoor aquarium. This is so simple and economical, however, that many thousands of American homes are enjoying the delightful tropical aquarium.

With each shipment of Tropical Fish we supply free a pamphlet of instruc-



IDEAL COLLECTION OF TOY TROPICALS

An ideal assortment of Toy Tropical Fishes for a ten-gallon aquarium. Ten beautiful Tropicals (5 pair), both live-bearing and egg-laying types, that afford a choice happy family Collection.

1 pr. Giant Danio	\$1.50
1 pr. Tetra von Rio	1.00
1 pr. Copper Spot Tetra	2.00
1 pr. Rosy Barb	0.75
1 pr. Red Platy	1.00
1 shipping can	0.50

\$6.75

Collection Price, only \$6

LARGE AQUARIUM COLLECTION

This especially-priced assortment of popular Toy Tropical Fishes is a collection ideal for aquariums of eighteen to twenty gallons of water. No. 911 Aquarium, page 22.

2 pairs Guppys	\$0.50
2 pairs Black Platys	2.00
2 pairs Red Platys	2.00
2 pairs Zebra Fish	1.50
1 pair Swordtails	1.00
1 pair Tetra von Rio	1.00
1 pair Black Mollienisia	4.00
1 pair Blood Fins	2.00

Regular value

But we offer these for the low price
in COLLECTION, only **\$11**

Gardens, Pools, Aquariums

The brilliant coloration and incessant activity of Tropical Toy Fish is a constant delight in the aquarium or garden pool. This illustration shows our HARMONY COLLECTION.

BLACK PLATY

SCALARE

TETRA VON BUENOS AIRES

HELLERI (Mexican Swordtail)

DANIO RERIO (Zebra Fish)

HARMONY COLLECTION

Suitable for a 10-gallon aquarium. Five distinct types of fish that will live peaceably together making an harmonious, happy family collection.

1 pr. Helleri (Swordtails)	\$1.00
1 pr. Scalare (Angel Fish)	2.00
1 pr. Black Platy (Moons)	1.00
1 pr. Danio rerio (Zebra Fish)	.75
1 pr. Tetra von Buenos Aires (Hemigrammus caudovittatus)	1.00
12 Selected Aquarium Plants	1.00
1 Shipping Can	.50

\$7.25

Collection Price **\$6.50**

Every Aquarium to be kept in proper order and balance and insure healthy active fish should have the Aquarium plants included with our Harmony Collection of Toy Tropicals. We select twelve choice aquarium plants in variety sufficient to plant and balance a 10 to 12-gallon aquarium.

For the accommodation of the Harmony Collection of Tropical Fish and Plants we recommend our 11-gallon, Style 903, Cast Aluminum Aquarium. This Aquarium will blend harmoniously with any decorating scheme. A sturdy well-built article having a polished cast aluminum frame, heavy bulb edge glass, heavy processed glass bottom and guaranteed workmanship. (See illustration page 23.)

Na. 903—11-gallon	\$12.00
Ornamental Iron Stand	8.00

For those wishing a less expensive Aquarium we suggest our Style 150 Window Ledge Aquarium—10-gallon—\$5.50. (See page 23.)

tions for their care. Toy Tropical Fish usually breed freely, even in the indoor aquarium. Some of them reproduce as do Goldfish, spawning their eggs in convenient grasses or roots where the sunshine will warm and hatch them. Some of the spawners build their own nests in a curious manner by blowing bubbles in which the eggs are floated at the surface of the water. Some of the Tropical Fish carry their eggs in their mouths to incubate them, and are commonly called mouth breeders; and the newly hatched young use the mother's mouth as a refuge from danger and a resting place until they are ready to shift for themselves. Other varieties of Tropical Fish are viviparous, or live-bearing.

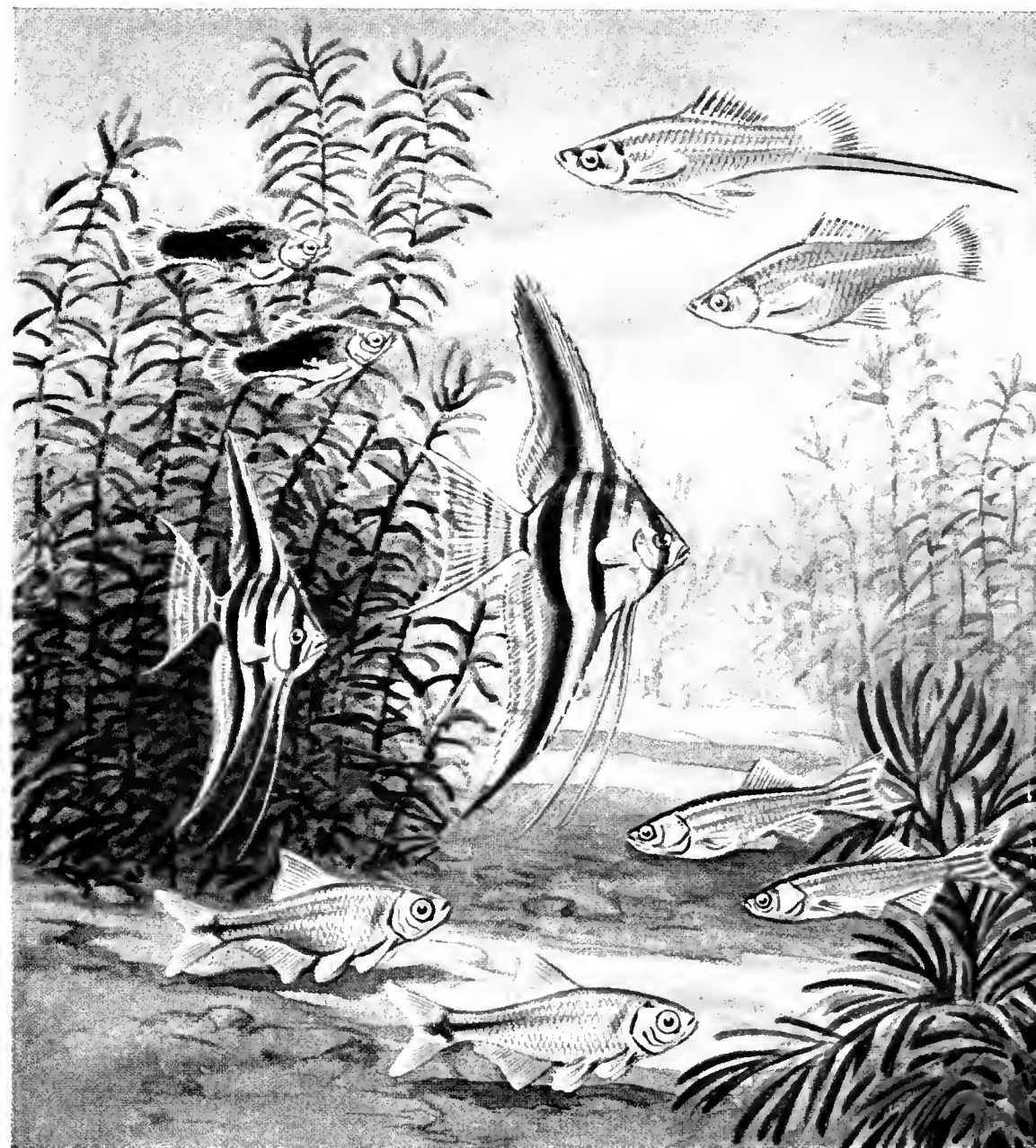
Some varieties of the Toy Tropical Fishes are vicious fighters, and must be separated by species in the aquarium.

Indeed in a few varieties the males will even attack the females except when spawning. The other varieties will live peaceably among themselves in aquariums.

The habits of all these varieties are briefly described on pages 26 and 27. In this list we give the usual popular names of the varieties followed in parenthesis by the scientific zoological names.

CONDITION OF SALES

Toy Tropical Fish are shipped in ordinary cans from June 1 to September 1. Add 50 cents to remittances far can cast. No returns. Winter shipments, September 1 to June 1, are made in special cans far which a deposit of \$2.00 is required, to be refunded upon prepaid return of can; express cost 20c.



Aquarium Supplies

HOOSIER AQUATIC GARDENS specializes in the supplying to our customers of all useful equipments for the feeding of fish, maintenance of aquariums, and care of aquatic plants, and believe we have developed the most complete and economical service for our customers. Special inquiries are solicited and we will be pleased to assist you in any way possible.

Orders of \$2.00 or less require 25 cents for packing and postage, which amount must be added to value of items ordered.

FISH FOODS

GRASSYFORK GOLDFISH FOOD—A goldfish food supplying all necessary elements for keeping goldfish in a healthy, growing condition. \$1 per lb.

DRIED SHRIMP—The shredded meat of sea shrimp. An excellent concentrated food for Goldfish or Tropicals. 20c per box; \$1 per lb.



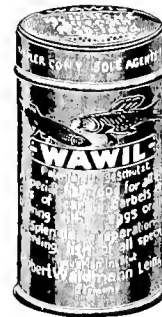
GEHA, one of the best of the imported German fish foods, especially prepared for the Toy Tropical Fishes. 15c per box, three for 40c.

TROPIC-FOOD NO. 1—An excellent balanced food for mature Tropicals. 30c per box.

TROPIC-FOOD NO. 2—Especially prepared for young and growing Tropicals. For size and color, use Tropic No. 2. 35c per box.

"I want you to know that the selection which you made for me was most satisfactory in every way, and I am entirely satisfied."—Harvey J. Schmelzer, Kansas City, Mo., May 8, 1933.

WAWIL, a milk base imported Toy Tropical Fish Food. Excellent for producing food for baby tropicals. 20c per box, three for 50c.



DRIED DAPHNIAE—Specially dried carcasses of the water flea, Daphniae, an excellent food for young and adult fishes, and the best substitute for living Daphniae, often difficult to obtain. \$0.20 per box, \$1 a pint.

REMEDIES

HEALTH DIP—Keep your fish in first class condition. Use Health Dip in the aquarium occasionally as a preventative against fungus, tail rot, etc. 15c per box.

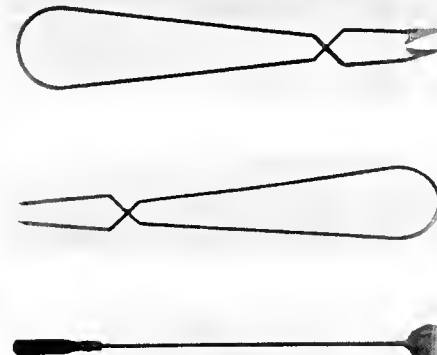
FUNGUS CURE—For definite cases of fungus, frayed fins, and general run-down condition. 15c per box.



AQUARIUM TESTING KIT—This Chambers Aquarium Water Testing Kit is based upon a thorough study of fish in aquariums. This

complete outfit for testing the acidity or alkalinity of water contains 1 color chart for comparing tests, 1-ounce dropper bottle Bromothymol Blue, 1 tube for making test, 1 separate dropper for taking water specimen, 1 glass marking pencil, 1 record chart, full directions for making test and 1 bottle of Acid Sodium Phosphate for correcting alkaline conditions. Also 1 bottle Sodium Bicarbonate for correcting acid conditions. (Note: Bromothymol Blue indicator covers pH range from 6.0 to 7.6.) Complete testing kit, \$1.50.

SUPPLIES



HANDY AQUARIUM TOOLS as illustrated above make aquarium work clean and easy. Complete set, three pieces, \$3.00.

REFLEX PLANT SNIPS for trimming and handling aquarium plants rapidly and easily, 19 inches long. Each \$1.50.

SIMPLEX TONGS—19 inches long—will handle anything in the aquarium from a grain of sand to pieces an inch or more wide. Each \$1.

GLASS SCRAPER—19 inches long—with renewable razor blade scraper and felt pad wiper combined will clean glass of aquariums rapidly and perfectly. Each \$1.50.

NETS—Fish should never be handled. Use a net when transferring them. 4-inch, wood han-



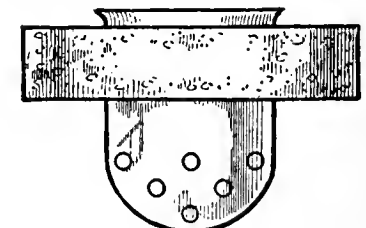
dle, 15c each; 6-inch, wood handle, a strong net for large goldfish, 25c each.

TROPICAL FISHNET—A wire handled net with gauze bag especially made for handling the little Toy Tropical Fish. Handle 12 inches long; 3-inch net, 10c each; 4-inch, 15c; 5-inch, 20c.

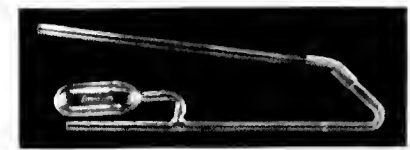
POOL NET—The net you have been looking for with handles from 2 ft. to 5 ft. long, light weight, varnished handle; heavy galvanized wire frame for net, 8 inches square, fastened to handle so it can't come loose. Heavy regular fishing netting of 1/4-inch mesh with six-inch sag, ample for even the largest fishes. A practical and inexpensive large net for working about the pool; to remove dead leaves that may blow in from surrounding shrubbery; also, for handling fish for breeding purposes or when removing them in the fall. Suitable mesh for all Goldfish and the larger Tropicals, each \$1.00.



FLOATING FEEDER of glass tubing which will confine food and prevent scattering and pollution of aquarium. Large size, 3 1/2 inches square, each \$0.15; small size, 2 1/2 inches square, each \$0.10.



FLOATING CORK WORM FEEDER, especially designed for feeding to Toy Tropical Fish the Enchytrae Worms so essential for healthy fish. Each only \$0.25.



AUTOMATIC GLASS SYPHONS—Self-starting; will drain bowl or aquarium completely. Indispensable for removing sediment. 50c each.

ORDER BLANK

PLEASE USE ORDER BLANK. SHIPPING CONDITIONS REVERSE SIDE

HOOSIER AQUATIC GARDENS

WATERLILIES :- AQUATIC PLANTS :- GOLDFISH
TROPICAL FISH :- AQUARIUMS AND SUPPLIES

MARTINSVILLE, IND.

PLEASE DO NOT WRITE HERE

DATE _____ SHIP BY _____

STATE BY EXPRESS OR PARCEL POST

NAME _____

MR.—MRS.—MISS

ADDRESS _____

STREET—P.O. BOX—R.F.D.

CITY _____

EXPRESS OFFICE

COUNTY STATE

STATE

ORDER NO.

AMOUNT ENCLOSED:

CASH

CHECK

M. O.

AMOUNT
OF ORDERAMOUNT
OF POSTAGE

TERMS: CASH WITH ORDER. NO C.O.D.

[illegible]

CONDITIONS OF SALE—SHIPPING INSTRUCTIONS

TERMS: Please send funds sufficient to cover price of goods ordered, 50 cents for shipping can when fish are included with the order and postage charges to the amount of 10% of your order when shipment is requested by parcel post. Payment may be made by check, draft, Post Office Money order, Express money order. When cash is sent the letter should be registered. We do not ship C. O. D.

Order EARLY: Orders are shipped at the proper planting time for your locality in the order received. Early ordering will insure prompt delivery as soon as your planting season begins.

CANADIAN SHIPMENTS: Canadian customers must obtain a permit to import plants from the Destructive Insect and Pest Act Advising Board, Dept. of Agriculture, Ottawa. **ENCLOSE PERMIT NUMBER ONLY.**

FORWARDING: We prefer to ship Express Collect. **ALL FISH ORDERED** must go by **EXPRESS.** Other items are shipped by Parcel Post only when specifically requested and funds to cover postage (see Terms) are included with remittance.

CLAIMS: INSPECT YOUR ORDER BEFORE EXPRESS AGENT LEAVES. If shipment is not in good condition, have him make out a bad order Report No. 679 and return it to us at once. All claims or complaints must be made within 10 days of accepting goods. We reserve the right to replace any merchandise considered unsatisfactory. We do NOT assume responsibility for goods after receipt in good condition. Due to conditions over which we have no control, unfavorable weather or soil, improper planting, etc., we cannot guarantee success after planting.

ERRORS: Experienced packers handle all your orders. In the press of business, however, errors may occur. In such case we wish to be promptly informed of the fact, that we may make such corrections as will be satisfactory. Please keep copies of all your orders for comparison.

NAME and ADDRESS: Please write on each order your **NAME, POST OFFICE, COUNTY, and STATE, STREET, P. O. BOX or R. F. D. ROUTE:** your nearest **EXPRESS OFFICE.**

Have You Gardening Friends Who Would Like a Copy of Our Catalog?
We Shall Appreciate Their Names and Addresses.

NAME

STREET

CITY

STATE

NAME

STREET

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NAME

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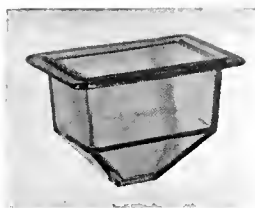
NAME

STREET

CITY

STATE

Thank You.
HOOSIER AQUATIC GARDENS
Martinsville, Indiana



ALL-GLASS BREEDING TRAPS, excellent for saving young fish. Suspend from sides of aquarium by glass lip. Each, 50c; three for \$1.25.

"When I sent for your Small Pool Collection it was the best \$10.00 I ever spent. All the fish lived, the pollywogs all turned into frogs and I have a regular chorus of my own that I listen to every night." — Harold Gretzinger, Pontiac, Mich., August 6, 1933.



"CHILL-BREAKER" Heaters—Keep the temperature right and avoid trouble. 25 watt for 10 gallons or less, 40 watt for 15 to 35 gallons, 75 watt for 35 to 55 gallons; all capacities \$1.50 each.

THERMO CUT-OUT—A thermostat designed for control of "Chill-Breaker" and all other heaters, and will serve well for controlling any regular aquarium-heating device; each \$1.25.

CHROMIUM AQUARIUM HEATER—Automatic, Thermostatic—Simple, durable and effective; will maintain a mean temperature of 80 degrees in most any aquarium. All capacities: 25 watt up to 5 gallons, 40 watt up to 10 gallons, 75 watt up to 20 gallons; each \$2.25.



THERMOMETERS—Five-inch wine-spirit floating Fahrenheit thermometers; each 25c, three for 60c.



AQUARIUM LIGHT—Your aquarium will be more enjoyable if well lighted by this convenient bronze or chromium plated aquarium light (specify which is desired when ordering), which attaches by suction cups at any place on sides or ends and is easily adjusted to throw light to the best advantage through aquarium plants and ornaments. Each only \$3.00.

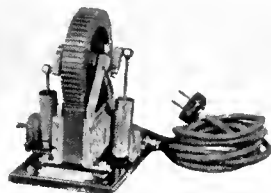


WATER FILTER—This jar of chemically treated filter material will end your aquarium trouble from impure water, whether natural or a city supply overcharged with chlorine and other chemicals. Merely set connector over faucet and fill aquarium from rubber tubing attached to jar outlet. No tools needed. Each \$6.00.

CHEMICAL SHELLS—Molded like sea shells. Act as water purifiers; neutralizing excess acids or alkalis and as an aid in destroying fish disease germs and green scum. Each 10c.



DIPTUBES—These tubes make it easy to remove sediment from aquariums without emptying them. Two sizes, 10 inches and 14 inches long. Small size, each 25c; large size, each 35c.



SAJA AERATOR PUMP—A convenient and very economical installation pumping air through the aquarium water. Made with one cylinder or with two cylinders. One cylinder size, each \$9.00; two cylinder size, each \$12.00.

AQUARIUM GRIT—A pure, white, clean sand of proper coarseness for aquarium use. Especially useful for rooting aquatic plants. 5-lb. bag, 30c; 10-lb. bag, 50c; 25-lb. bag, \$1.00.

SEAL-TITE AQUARIUM CEMENT—For best results, aquarium cement should be mixed with the proper grade of oil in the right proportion. The proper amount of especially prepared oil is included with each package of SEAL-TITE powder. One pound per carton, each 50c.

SEAL-TITE READY MIX—All the excellent features of SEAL-TITE Cement, without the bother of mixing. Remains plastic and is unexcelled for quick repairs of breaks or leaks in aquariums. One pound carton, 75c.

.....Amphibia and Snails

SNAILS, Turtles, Salamanders, Fresh Water Clams or Mussels and like amphibian creatures are not only oddly interesting, but also perform diligently the task of keeping the pool or aquarium free from decaying or other foreign matter, algae, and green scum, keeping the water at that crystal clearness so much desired.

NOTE: Shipping cans are required for Tadpoles. All other scavengers may be shipped in damp moss. When fish and scavengers are both included in the order, scavengers will be shipped in container with the fish whenever possible. On orders of \$2 or less, **INCLUDE** 25 cents for postage and packing.

JAPANESE LIVE-BEARING SNAILS—One of the best scavengers for Pool or Aquarium. Large, live-bearing, active, hardy. 50c for three; \$1.00 per dozen; \$7.00 per 100.

BLACK RAMSHORN SNAILS—Having a shell curled like a Ram's horn. A medium size egg-laying Snail. Very active and prolific. 25c for three; 75c per dozen; \$5 per 100.

RED OR CORAL SNAILS—Shells shaped like Black Ramshorn. A beautiful coral-red Snail. Perhaps the finest Snail for Aquarium use. Active, and prolific egg-layers. Why not raise a few in the pool for your Aquarium next winter? 50c for three; \$1.75 per dozen.

MELANTHO or TRUMPET SNAILS—Active and hardy scavengers with spiral shells. 25c for three; 75c per dozen; \$5 per 100.

GEOGRAPHIC TURTLES—Tiny, interesting aquatic animals, with curious mosaic designs on upper and lower shells. Provide a board or rock on which they may sun themselves until the lily pads are large enough to hold them. 50c for four, \$1.25 per dozen.

TADPOLES—Young of the green pond frog before the legs have developed. Will in no way injure fish or plants. Excellent for devouring decaying plant and other foreign matter, green scum, etc. 50c per dozen; \$3.00 per 100. Shipping cans, 50c each.

GREEN FROGS—Where there are lily pads, one expects to find green frogs. Interesting, and a good insect trap, too. 75c per pair; \$3 per dozen.

AMERICAN SALAMANDERS—These harmless Water Newts, like the frogs, are unsurpassed insect traps. Beautifully colored, the back streaked red with black dots on a gold-brown field; under side yellow, spotted brown. 50c for three; \$1.50 per dozen.

JAPANESE SALAMANDERS—Like the above but larger, with black backs and fiery-red vests. 50c for two; \$2.50 per dozen.

CLAMS or FRESH Water Mussels—Valuable in extracting the plant growth that turns pool or aquarium water green. They act as a filter, taking in large quantities of green water and ejecting it crystal clear. 50c for three; \$1.50 per dozen.

COLLECTIONS SMALL POOL

- 6 Japanese Snails
- 6 Tadpoles
- 2 American Salamanders
- 6 Black Ramshorn Snails
- 2 Clams

Collection, with shipping can, \$2

POPULAR SIZE POOL

- 12 Tadpoles
- 12 Black Ramshorn Snails
- 6 Japanese Snails
- 4 Clams
- 4 Green Frogs
- 2 Salamanders

Collection, with shipping can, \$3.50

LARGE POOL

- 24 Tadpoles
- 24 Black Ramshorn Snails
- 6 Clams
- 6 Salamanders
- 12 Japanese Snails
- 6 Green Frogs

Collection, with shipping can, \$5



THE HOLLENBECK PRESS
INDIANAPOLIS

HOOSIER AQUATIC GARDENS

MARTINSVILLE, INDIANA